

Question: What is the total enrollment of students in your school as of <first day of month TIMSS Advanced testing begins, 2015>  
 Location: ScQ-01 (MCBG01)

| Country                 | Sample | Valid N | Not<br>Adm.<br>% | Not<br>App.<br>% | Omitt<br>ed<br>% | Mean  | Mode  | Min   | P5    | P10   | Q1    | Median | Q3    | P90   | P95   | Max   |
|-------------------------|--------|---------|------------------|------------------|------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| France                  | 144    | 133     | 7.7              | 0.0              | 0.0              | 1101  | 815.0 | 84.0  | 320.0 | 364.0 | 743.0 | 1036   | 1386  | 1861  | 2089  | 3000  |
| Italy                   | 113    | 106     | 4.0              | 0.0              | 1.7              | 981.6 | 698.0 | 63.0  | 464.0 | 650.0 | 793.0 | 961.0  | 1190  | 1448  | 1520  | 1712  |
| Lebanon                 | 251    | 250     | 0.0              | 0.0              | 0.1              | 1297  | 913.0 | 19.0  | 147.0 | 207.0 | 420.0 | 835.0  | 1882  | 3478  | 3800  | 4739  |
| Norway                  | 133    | 110     | 21.3             | 0.0              | 2.6              | 698.6 | 450.0 | 108.0 | 191.0 | 276.0 | 500.0 | 650.0  | 976.0 | 1269  | 1269  | 1380  |
| Portugal                | 221    | 213     | 3.3              | 0.0              | 0.7              | 1680  | 616.0 | 348.0 | 538.0 | 697.0 | 1062  | 1527   | 2300  | 2804  | 3149  | 3950  |
| Russian Federation      | 346    | 342     | 0.0              | 0.0              | 0.6              | 846.9 | 932.0 | 26.0  | 285.0 | 374.0 | 551.0 | 778.0  | 1039  | 1324  | 1537  | 2805  |
| Russian Federation 6hr+ | 163    | 160     | 0.0              | 0.0              | 1.1              | 934.4 | 1143  | 179.0 | 350.0 | 490.0 | 657.0 | 856.0  | 1143  | 1339  | 1878  | 2567  |
| Slovenia                | 69     | 65      | 4.0              | 0.0              | 0.0              | 501.7 | 200.0 | 16.0  | 124.0 | 166.0 | 264.0 | 510.0  | 757.0 | 868.0 | 878.0 | 909.0 |
| Sweden                  | 139    | 135     | 0.9              | 0.0              | 2.1              | 660.7 | 265.0 | 32.0  | 164.0 | 207.0 | 329.0 | 515.0  | 946.0 | 1256  | 1415  | 2100  |
| United States           | 241    | 205     | 12.5             | 0.0              | 0.4              | 1388  | 1850  | 188.0 | 258.0 | 286.0 | 658.0 | 1270   | 1859  | 2528  | 3359  | 4076  |
| International Avg (n=9) | 1657   | 1559    | 6.0              | 0.0              | 0.9              | 1017  | 748.8 | 98.2  | 276.8 | 358.6 | 591.1 | 898.0  | 1371  | 1871  | 2113  | 2741  |

Question: What is the total enrollment of <twelfth grade> students in your school as of <first day of month TIMSS Advanced testing begins, 2015>  
 Location: ScQ-02 (MCBG02)

| Country                 | Sample | Valid N | Not<br>Adm.<br>% | Not<br>App.<br>% | Omitt<br>ed<br>% | Mean  | Mode  | Min  | P5   | P10   | Q1    | Median | Q3    | P90   | P95   | Max   |
|-------------------------|--------|---------|------------------|------------------|------------------|-------|-------|------|------|-------|-------|--------|-------|-------|-------|-------|
| France                  | 144    | 133     | 7.7              | 0.0              | 0.0              | 279.8 | 254.0 | 22.0 | 92.0 | 105.0 | 186.0 | 268.0  | 367.0 | 450.0 | 494.0 | 691.0 |
| Italy                   | 113    | 104     | 4.0              | 0.0              | 3.6              | 169.2 | 183.0 | 32.0 | 69.0 | 96.0  | 126.0 | 169.0  | 220.0 | 237.0 | 263.0 | 312.0 |
| Lebanon                 | 251    | 247     | 0.0              | 0.0              | 1.1              | 98.3  | 19.0  | 3.0  | 19.0 | 27.0  | 48.0  | 72.0   | 131.0 | 202.0 | 281.0 | 380.0 |
| Norway                  | 133    | 109     | 21.3             | 0.0              | 2.7              | 189.2 | 25.0  | 12.0 | 54.0 | 71.0  | 120.0 | 170.0  | 254.0 | 303.0 | 377.0 | 452.0 |
| Portugal                | 221    | 211     | 3.3              | 0.0              | 1.6              | 201.4 | 33.0  | 18.0 | 39.0 | 63.0  | 108.0 | 177.0  | 255.0 | 370.0 | 424.0 | 686.0 |
| Russian Federation      | 346    | 344     | 0.0              | 0.0              | 0.2              | 56.1  | 25.0  | 4.0  | 15.0 | 18.0  | 26.0  | 46.0   | 72.0  | 104.0 | 144.0 | 352.0 |
| Russian Federation 6hr+ | 163    | 161     | 0.0              | 0.0              | 0.9              | 75.1  | 48.0  | 13.0 | 23.0 | 27.0  | 42.0  | 59.0   | 90.0  | 135.0 | 156.0 | 352.0 |
| Slovenia                | 69     | 65      | 4.0              | 0.0              | 0.0              | 134.8 | 20.0  | 16.0 | 36.0 | 47.0  | 80.0  | 142.0  | 192.0 | 212.0 | 213.0 | 236.0 |
| Sweden                  | 139    | 131     | 0.9              | 0.0              | 4.4              | 200.7 | 61.0  | 21.0 | 54.0 | 67.0  | 100.0 | 157.0  | 284.0 | 354.0 | 407.0 | 700.0 |
| United States           | 241    | 205     | 12.5             | 0.0              | 0.6              | 321.2 | 163.0 | 8.0  | 47.0 | 67.0  | 153.0 | 286.0  | 446.0 | 610.0 | 746.0 | 1116  |
| International Avg (n=9) | 1657   | 1549    | 6.0              | 0.0              | 1.6              | 183.4 | 87.0  | 15.1 | 47.2 | 62.3  | 105.2 | 165.2  | 246.8 | 315.8 | 372.1 | 547.2 |

Question: Approximately what percentage of students in your school have the following backgrounds. Come from economically disadvantaged homes  
 Location: ScQ-03a (MCBG03A)

| Country                 | Sample | Valid N | 1.0<br>to 10%<br>% | 2.11<br>to 25%<br>% | 3.26<br>to 50%<br>% | 4.More<br>than<br>50%<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.0<br>to 10%<br>Mean | 2.11<br>to 25%<br>Mean | 3.26<br>to 50%<br>Mean | 4.More<br>than<br>50%<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------|---------------------|---------------------|----------------------------|------------------------------|----------------------------|------------------|-----------------------|------------------------|------------------------|-------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 23.6               | 38.0                | 31.4                | 7.0                        | 7.7                          | 0.0                        | 0.6              | 474.5                 | 467.3                  | 450.2                  | 428.9                         | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 106     | 43.0               | 33.1                | 19.2                | 4.8                        | 4.0                          | 0.0                        | 1.9              | 461.9                 | 408.1                  | 369.3                  | 311.4                         | 440.6                           | .                             | 520.7               |
| Lebanon                 | 251    | 242     | 25.5               | 21.6                | 18.2                | 34.7                       | 0.6                          | 0.0                        | 2.3              | 549.4                 | 542.7                  | 525.9                  | 514.0                         | 556.2                           | .                             | 545.8               |
| Norway                  | 133    | 104     | 86.8               | 12.2                | 1.0                 | 0.0                        | 21.3                         | 0.0                        | 4.0              | 467.8                 | 431.5                  | 427.5                  | .                             | 448.7                           | .                             | 444.4               |
| Portugal                | 221    | 209     | 6.5                | 26.3                | 50.5                | 16.7                       | 3.3                          | 0.0                        | 1.7              | 486.0                 | 488.0                  | 481.9                  | 474.3                         | 480.1                           | .                             | 473.1               |
| Russian Federation      | 346    | 335     | 61.2               | 21.9                | 12.1                | 4.8                        | 0.0                          | 0.0                        | 3.7              | 498.4                 | 470.1                  | 452.4                  | 445.6                         | .                               | .                             | 498.5               |
| Russian Federation 6hr+ | 163    | 159     | 75.1               | 17.9                | 5.5                 | 1.5                        | 0.0                          | 0.0                        | 3.2              | 544.7                 | 545.5                  | 502.8                  | 387.3                         | .                               | .                             | 537.9               |
| Slovenia                | 69     | 64      | 30.7               | 53.9                | 8.1                 | 7.3                        | 4.0                          | 0.0                        | 1.7              | 465.9                 | 464.2                  | 420.0                  | 444.1                         | 457.3                           | .                             | 472.2               |
| Sweden                  | 139    | 124     | 59.4               | 22.4                | 12.6                | 5.6                        | 0.9                          | 0.0                        | 11.7             | 445.3                 | 426.1                  | 379.3                  | 369.2                         | 445.3                           | .                             | 449.6               |
| United States           | 241    | 203     | 26.5               | 25.2                | 27.6                | 20.8                       | 12.5                         | 0.0                        | 1.9              | 514.7                 | 504.2                  | 486.8                  | 426.6                         | 474.8                           | .                             | 502.0               |
| International Avg (n=9) | 1657   | 1519    | 40.3               | 28.3                | 20.1                | 11.3                       | 6.0                          | 0.0                        | 3.3              | 484.9                 | 466.9                  | 443.7                  | 426.8                         | 473.0                           | .                             | 488.5               |

Question: Approximately what percentage of students in your school have the following backgrounds. Come from economically affluent homes  
Location: ScQ-03b (MCBG03B)

| Country                 | Sample | Valid N | 1.0<br>to 10%<br>% | 2.11<br>to 25%<br>% | 3.26<br>to 50%<br>% | 4.More<br>than<br>50%<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.0<br>to 10%<br>Mean | 2.11<br>to 25%<br>Mean | 3.26<br>to 50%<br>Mean | 4.More<br>than<br>50%<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------|---------------------|---------------------|----------------------------|------------------------------|----------------------------|------------------|-----------------------|------------------------|------------------------|-------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 13.8               | 20.1                | 38.1                | 28.1                       | 7.7                          | 0.0                        | 0.6              | 452.3                 | 443.8                  | 460.6                  | 478.0                         | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 105     | 23.7               | 16.6                | 29.4                | 30.3                       | 4.0                          | 0.0                        | 2.6              | 386.3                 | 426.2                  | 432.9                  | 438.4                         | 440.6                           | .                             | 374.0               |
| Lebanon                 | 251    | 230     | 31.8               | 19.3                | 27.8                | 21.1                       | 0.0                          | 0.0                        | 6.2              | 511.2                 | 534.8                  | 543.7                  | 548.0                         | .                               | .                             | 521.5               |
| Norway                  | 133    | 104     | 12.3               | 11.2                | 24.1                | 52.4                       | 21.3                         | 0.0                        | 4.0              | 453.9                 | 438.0                  | 475.6                  | 464.6                         | 448.7                           | .                             | 444.4               |
| Portugal                | 221    | 185     | 41.7               | 16.7                | 18.1                | 23.5                       | 3.3                          | 0.0                        | 13.9             | 477.1                 | 470.3                  | 477.4                  | 492.8                         | 480.1                           | .                             | 497.8               |
| Russian Federation      | 346    | 328     | 2.4                | 4.8                 | 18.8                | 73.9                       | 0.0                          | 0.0                        | 5.3              | 374.2                 | 479.6                  | 470.9                  | 492.2                         | .                               | .                             | 482.7               |
| Russian Federation 6hr+ | 163    | 157     | 1.3                | 2.6                 | 12.2                | 84.0                       | 0.0                          | 0.0                        | 2.8              | 395.1                 | 523.2                  | 534.1                  | 544.3                         | .                               | .                             | 523.8               |
| Slovenia                | 69     | 64      | 5.2                | 26.7                | 19.2                | 48.9                       | 4.0                          | 0.0                        | 1.7              | 411.8                 | 437.5                  | 467.3                  | 473.9                         | 457.3                           | .                             | 472.2               |
| Sweden                  | 139    | 124     | 5.5                | 6.2                 | 14.7                | 73.6                       | 0.9                          | 0.0                        | 13.0             | 367.0                 | 409.8                  | 395.7                  | 443.5                         | 445.3                           | .                             | 436.3               |
| United States           | 241    | 203     | 28.6               | 27.9                | 18.3                | 25.2                       | 12.5                         | 0.0                        | 1.9              | 455.1                 | 495.2                  | 496.9                  | 503.2                         | 474.8                           | .                             | 502.0               |
| International Avg (n=9) | 1657   | 1475    | 18.3               | 16.6                | 23.2                | 41.9                       | 6.0                          | 0.0                        | 5.5              | 432.1                 | 459.5                  | 469.0                  | 481.6                         | 461.1                           | .                             | 469.0               |

Question: Approximately what percentage of students in your school have <language of test> as their native language  
Location: ScQ-04 (MCBG04)

| Country                 | Sample | Valid N | 1.More<br>than<br>90%<br>% | 2.76<br>to 90%<br>% | 3.51<br>to 75%<br>% | 4.26<br>to 50%<br>% | 5.25%<br>or<br>less<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% |
|-------------------------|--------|---------|----------------------------|---------------------|---------------------|---------------------|--------------------------|------------------------------|----------------------------|------------------|
| France                  | 144    | 131     | 88.0                       | 8.0                 | 3.4                 | 0.0                 | 0.6                      | 7.7                          | 0.0                        | 1.2              |
| Italy                   | 113    | 108     | 82.7                       | 16.6                | 0.0                 | 0.0                 | 0.7                      | 4.0                          | 0.0                        | 0.0              |
| Lebanon                 | 251    | 232     | 11.3                       | 5.4                 | 6.9                 | 4.6                 | 71.8                     | 0.0                          | 0.0                        | 6.9              |
| Norway                  | 133    | 109     | 72.4                       | 24.5                | 3.0                 | 0.0                 | 0.1                      | 21.3                         | 0.0                        | 0.4              |
| Portugal                | 221    | 213     | 91.6                       | 4.8                 | 0.0                 | 0.0                 | 3.6                      | 3.3                          | 0.0                        | 0.3              |
| Russian Federation      | 346    | 344     | 82.4                       | 10.2                | 2.2                 | 1.4                 | 3.8                      | 0.0                          | 0.0                        | 0.4              |
| Russian Federation 6hr+ | 163    | 162     | 91.0                       | 5.6                 | 0.6                 | 1.7                 | 1.0                      | 0.0                          | 0.0                        | 0.5              |
| Slovenia                | 69     | 65      | 88.0                       | 11.5                | 0.0                 | 0.5                 | 0.0                      | 4.0                          | 0.0                        | 0.0              |
| Sweden                  | 139    | 138     | 31.0                       | 43.8                | 13.8                | 3.4                 | 8.1                      | 0.9                          | 0.0                        | 0.0              |
| United States           | 241    | 203     | 53.8                       | 25.3                | 6.8                 | 7.7                 | 6.4                      | 12.5                         | 0.0                        | 0.8              |
| International Avg (n=9) | 1657   | 1543    | 66.8                       | 16.7                | 4.0                 | 1.9                 | 10.6                     | 6.0                          | 0.0                        | 1.1              |

Question: Approximately what percentage of students in your school have <language of test> as their native language  
Location: ScQ-04 (MCBG04)

| Country                 | Sample | Valid N | 1.More<br>than<br>90%<br>Mean | 2.76<br>to 90%<br>Mean | 3.51<br>to 75%<br>Mean | 4.26<br>to 50%<br>Mean | 5.25%<br>or<br>less<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|-------------------------------|------------------------|------------------------|------------------------|-----------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 131     | 462.3                         | 450.6                  | 453.3                  | .                      | 484.4                       | 480.9                           | .                             | 459.4               |
| Italy                   | 113    | 108     | 425.9                         | 401.9                  | .                      | .                      | 318.2                       | 440.6                           | .                             | .                   |
| Lebanon                 | 251    | 232     | 532.7                         | 534.3                  | 493.5                  | 550.5                  | 532.7                       | .                               | .                             | 544.7               |
| Norway                  | 133    | 109     | 465.8                         | 456.0                  | 419.5                  | .                      | 439.6                       | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 213     | 482.2                         | 468.4                  | .                      | .                      | 504.3                       | 480.1                           | .                             | 463.6               |
| Russian Federation      | 346    | 344     | 484.8                         | 482.2                  | 482.4                  | 423.2                  | 512.5                       | .                               | .                             | 487.1               |
| Russian Federation 6hr+ | 163    | 162     | 541.5                         | 522.6                  | 458.6                  | 569.6                  | 516.3                       | .                               | .                             | 543.6               |
| Slovenia                | 69     | 65      | 462.3                         | 443.1                  | .                      | 417.2                  | .                           | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 138     | 450.3                         | 436.3                  | 384.1                  | 371.3                  | 432.1                       | 445.3                           | .                             | .                   |
| United States           | 241    | 203     | 502.3                         | 486.2                  | 478.6                  | 419.3                  | 432.6                       | 474.8                           | .                             | 552.2               |
| International Avg (n=9) | 1657   | 1543    | 474.3                         | 462.1                  | 451.9                  | 436.3                  | 457.1                       | 461.1                           | .                             | 496.9               |

Question: How many people live in the city, town, or area where your school is located  
Location: ScQ-05A (MCBG05A)

| Country                 | Sample | Valid N | 1.More<br>than<br>500,00<br>0<br>% | 2.100,<br>001<br>to<br>500,00<br>0<br>% | 3.50,0<br>01 to<br>100,00<br>0<br>% | 4.30,0<br>01 to<br>50,000<br>% | 5.15,0<br>01 to<br>30,000<br>% | 6.3,00<br>1 to<br>15,000<br>% | 7.3,00<br>0 or<br>fewer<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% |
|-------------------------|--------|---------|------------------------------------|---|-------------------------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|------------------------------|----------------------------|------------------|
| France                  | 144    | 133     | 7.0                                | 25.1                                    | 23.9                                | 11.6                           | 13.8                           | 18.1                          | 0.7                          | 7.7                          | 0.0                        | 0.0              |
| Italy                   | 113    | 107     | 11.2                               | 12.1                                    | 21.5                                | 21.2                           | 19.6                           | 14.4                          | 0.0                          | 4.0                          | 0.0                        | 0.6              |
| Lebanon                 | 251    | 239     | 16.0                               | 13.8                                    | 17.5                                | 10.0                           | 12.5                           | 20.3                          | 9.9                          | 0.0                          | 0.0                        | 3.4              |
| Norway                  | 133    | 110     | 18.1                               | 18.6                                    | 12.0                                | 13.7                           | 18.7                           | 17.6                          | 1.3                          | 21.3                         | 0.0                        | 0.3              |
| Portugal                | 221    | 213     | 0.6                                | 11.6                                    | 21.1                                | 18.7                           | 25.8                           | 19.0                          | 3.1                          | 3.3                          | 0.0                        | 0.2              |
| Russian Federation      | 346    | 344     | 37.5                               | 23.4                                    | 7.3                                 | 6.8                            | 8.9                            | 11.8                          | 4.4                          | 0.0                          | 0.0                        | 1.1              |
| Russian Federation 6hr+ | 163    | 163     | 43.5                               | 30.1                                    | 7.6                                 | 8.5                            | 7.3                            | 2.8                           | 0.2                          | 0.0                          | 0.0                        | 0.0              |
| Slovenia                | 69     | 65      | 0.0                                | 33.0                                    | 7.1                                 | 17.9                           | 10.3                           | 26.8                          | 4.9                          | 4.0                          | 0.0                        | 0.0              |
| Sweden                  | 139    | 137     | 22.4                               | 24.0                                    | 19.1                                | 14.8                           | 12.4                           | 7.2                           | 0.0                          | 0.9                          | 0.0                        | 0.8              |
| United States           | 241    | 203     | 12.8                               | 19.1                                    | 17.2                                | 11.8                           | 12.7                           | 22.2                          | 4.1                          | 12.5                         | 0.0                        | 0.8              |
| International Avg (n=9) | 1657   | 1551    | 14.0                               | 20.1                                    | 16.3                                | 14.0                           | 15.0                           | 17.5                          | 3.2                          | 6.0                          | 0.0                        | 0.8              |

Question: How many people live in the city, town, or area where your school is located  
Location: ScQ-05A (MCBG05A)

| Country                 | Sample | Valid N | 1.More<br>than<br>500,00<br>0<br>Mean | 2.100,<br>001<br>to<br>500,00<br>0<br>Mean | 3.50,0<br>01 to<br>100,00<br>0<br>Mean | 4.30,0<br>01 to<br>50,000<br>Mean | 5.15,0<br>01 to<br>30,000<br>Mean | 6.3,00<br>1 to<br>15,000<br>Mean | 7.3,00<br>0 or<br>fewer<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|---------------------------------------|--|--|-----------------------------------|-----------------------------------|----------------------------------|---------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 133     | 438.4                                 | 468.0                                      | 468.7                                  | 448.5                             | 449.3                             | 466.6                            | 483.3                           | 480.9                           | .                             | .                   |
| Italy                   | 113    | 107     | 439.6                                 | 430.7                                      | 419.3                                  | 402.5                             | 448.2                             | 396.6                            | .                               | 440.6                           | .                             | 318.5               |
| Lebanon                 | 251    | 239     | 549.4                                 | 528.0                                      | 540.7                                  | 536.8                             | 518.1                             | 520.8                            | 521.1                           | .                               | .                             | 552.6               |
| Norway                  | 133    | 110     | 478.1                                 | 472.9                                      | 457.5                                  | 451.5                             | 458.9                             | 455.2                            | 364.5                           | 448.7                           | .                             | 490.1               |
| Portugal                | 221    | 213     | 466.3                                 | 502.2                                      | 470.9                                  | 488.6                             | 481.5                             | 478.6                            | 476.1                           | 480.1                           | .                             | 549.1               |
| Russian Federation      | 346    | 344     | 497.0                                 | 492.2                                      | 465.4                                  | 477.2                             | 461.4                             | 466.0                            | 516.5                           | .                               | .                             | 334.4               |
| Russian Federation 6hr+ | 163    | 163     | 560.4                                 | 527.8                                      | 547.3                                  | 519.6                             | 548.0                             | 394.0                            | 360.0                           | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | .                                     | 464.1                                      | 457.2                                  | 454.9                             | 458.0                             | 459.7                            | 459.0                           | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 137     | 426.6                                 | 433.8                                      | 425.5                                  | 437.1                             | 436.1                             | 427.4                            | .                               | 445.3                           | .                             | 436.4               |
| United States           | 241    | 203     | 506.9                                 | 473.0                                      | 469.5                                  | 503.2                             | 488.7                             | 483.2                            | 502.5                           | 474.8                           | .                             | 552.2               |
| International Avg (n=9) | 1657   | 1551    | 475.3                                 | 473.9                                      | 463.8                                  | 466.7                             | 466.7                             | 461.6                            | 474.7                           | 461.1                           | .                             | 461.9               |



Question: Which best describes the immediate area in which your school is located  
Location: ScQ-05B (MCBG05B)

| Country                 | Sample | Valid N | 1.Urban-Densely populated % | 2.Suburban, outskirts of urban area % | 3.Medium size city or large town % | 4.Small town or village % | 5.Remote rural % | Not Administered % | Not Applicable % | Omitted % |
|-------------------------|--------|---------|-----------------------------|---------------------------------------|------------------------------------|---------------------------|------------------|--------------------|------------------|-----------|
| France                  | 144    | 132     | 34.4                        | 7.9                                   | 34.7                               | 18.4                      | 4.6              | 7.7                | 0.0              | 0.8       |
| Italy                   | 113    | 108     | 11.1                        | 6.9                                   | 37.8                               | 40.5                      | 3.7              | 4.0                | 0.0              | 0.0       |
| Lebanon                 | 251    | 244     | 20.1                        | 17.1                                  | 35.7                               | 23.4                      | 3.7              | 0.7                | 0.0              | 1.5       |
| Norway                  | 133    | 110     | 19.9                        | 24.8                                  | 23.5                               | 20.7                      | 11.1             | 21.3               | 0.0              | 0.3       |
| Portugal                | 221    | 213     | 19.3                        | 16.5                                  | 47.2                               | 17.0                      | 0.0              | 3.3                | 0.0              | 0.6       |
| Russian Federation      | 346    | 346     | 36.2                        | 12.6                                  | 37.3                               | 6.1                       | 7.8              | 0.0                | 0.0              | 0.0       |
| Russian Federation 6hr+ | 163    | 163     | 51.1                        | 10.7                                  | 34.5                               | 2.6                       | 1.0              | 0.0                | 0.0              | 0.0       |
| Slovenia                | 69     | 65      | 32.9                        | 3.7                                   | 62.4                               | 1.0                       | 0.0              | 4.0                | 0.0              | 0.0       |
| Sweden                  | 139    | 137     | 30.9                        | 9.9                                   | 39.0                               | 19.8                      | 0.3              | 0.9                | 0.0              | 0.8       |
| United States           | 241    | 204     | 16.7                        | 37.9                                  | 15.3                               | 22.3                      | 7.9              | 12.5               | 0.0              | 0.5       |
| International Avg (n=9) | 1657   | 1559    | 24.6                        | 15.3                                  | 37.0                               | 18.8                      | 4.3              | 6.0                | 0.0              | 0.5       |

Question: Which best describes the immediate area in which your school is located  
Location: ScQ-05B (MCBG05B)

| Country                 | Sample | Valid N | 1.Urban-Densely populated Mean | 2.Suburban, outskirts of urban area Mean | 3.Medium size city or large town Mean | 4.Small town or village Mean | 5.Remote rural Mean | Not Administered Mean | Not Applicable Mean | Omitted Mean |
|-------------------------|--------|---------|--------------------------------|--|---------------------------------------|------------------------------|---------------------|-----------------------|---------------------|--------------|
| France                  | 144    | 132     | 464.3                          | 464.9                                    | 460.2                                 | 458.3                        | 457.2               | 480.9                 | .                   | 419.8        |
| Italy                   | 113    | 108     | 432.4                          | 426.8                                    | 431.5                                 | 407.1                        | 426.2               | 440.6                 | .                   | .            |
| Lebanon                 | 251    | 244     | 535.9                          | 538.4                                    | 536.1                                 | 523.8                        | 509.6               | 529.2                 | .                   | 482.9        |
| Norway                  | 133    | 110     | 474.7                          | 475.1                                    | 445.6                                 | 459.5                        | 448.9               | 448.7                 | .                   | 490.1        |
| Portugal                | 221    | 213     | 480.5                          | 484.2                                    | 480.3                                 | 487.5                        | .                   | 480.1                 | .                   | 500.7        |
| Russian Federation      | 346    | 346     | 499.3                          | 479.4                                    | 477.8                                 | 459.9                        | 477.2               | .                     | .                   | .            |
| Russian Federation 6hr+ | 163    | 163     | 559.5                          | 489.2                                    | 539.7                                 | 423.2                        | 422.5               | .                     | .                   | .            |
| Slovenia                | 69     | 65      | 468.3                          | 478.4                                    | 453.4                                 | 518.0                        | .                   | 457.3                 | .                   | .            |
| Sweden                  | 139    | 137     | 424.8                          | 418.3                                    | 436.4                                 | 436.2                        | 419.8               | 445.3                 | .                   | 436.4        |
| United States           | 241    | 204     | 481.0                          | 503.0                                    | 481.5                                 | 484.9                        | 427.7               | 474.8                 | .                   | 561.2        |
| International Avg (n=9) | 1657   | 1559    | 473.5                          | 474.3                                    | 467.0                                 | 470.6                        | 452.4               | 469.6                 | .                   | 481.8        |

Question: What percentage of <twelfth grade> students in your school are taking each of the following. <Advanced Mathematics>  
 Location: ScQ-06a (MCBG06A)

| Country                 | Sample | Valid N | Not<br>Adm.<br>% | Not<br>App.<br>% | Omitt<br>ed<br>% | Mean  | Mode  | Min   | P5    | P10   | Q1    | Median | Q3    | P90   | P95   | Max   |
|-------------------------|--------|---------|------------------|------------------|------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| France                  | 144    | 133     | 7.7              | 0.0              | 0.0              | 42.7  | 25.0  | 11.0  | 25.0  | 27.0  | 33.0  | 41.0   | 52.0  | 59.0  | 65.0  | 100.0 |
| Italy                   | 113    | 96      | 4.0              | 0.0              | 11.1             | 89.3  | 100.0 | 0.0   | 10.0  | 30.0  | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| Lebanon                 | 251    | 219     | 0.0              | 0.0              | 15.8             | 57.2  | 100.0 | 0.0   | 10.0  | 13.0  | 26.0  | 50.0   | 100.0 | 100.0 | 100.0 | 100.0 |
| Norway                  | 133    | 107     | 21.3             | 0.0              | 1.7              | 23.9  | 20.0  | 1.0   | 7.0   | 9.0   | 16.0  | 23.0   | 31.0  | 40.0  | 53.0  | 53.0  |
| Portugal                | 221    | 211     | 3.3              | 0.0              | 1.2              | 54.5  | 50.0  | 1.0   | 20.0  | 32.0  | 43.0  | 57.0   | 68.0  | 77.0  | 80.0  | 100.0 |
| Russian Federation      | 346    | 342     | 0.0              | 0.0              | 2.1              | 75.2  | 100.0 | 1.0   | 22.0  | 30.0  | 50.0  | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| Russian Federation 6hr+ | 163    | 162     | 0.0              | 0.0              | 3.1              | 68.3  | 100.0 | 1.0   | 13.0  | 27.0  | 48.0  | 61.0   | 100.0 | 100.0 | 100.0 | 100.0 |
| Slovenia                | 69     | 65      | 4.0              | 0.0              | 0.0              | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| Sweden                  | 139    | 135     | 0.9              | 0.0              | 2.8              | 40.3  | 20.0  | 3.0   | 8.0   | 10.0  | 18.0  | 32.0   | 60.0  | 87.0  | 99.0  | 100.0 |
| United States           | 241    | 198     | 12.5             | 0.0              | 3.4              | 28.8  | 10.0  | 0.0   | 4.0   | 6.0   | 11.0  | 21.0   | 37.0  | 75.0  | 80.0  | 100.0 |
| International Avg (n=9) | 1657   | 1506    | 6.0              | 0.0              | 4.2              | 56.9  | 58.3  | 13.0  | 22.9  | 28.6  | 44.1  | 58.2   | 72.0  | 82.0  | 86.3  | 94.8  |

Question: What percentage of <twelfth grade> students in your school are taking each of the following. <Physics>  
 Location: ScQ-06b (MCBG06B)

| Country                 | Sample | Valid N | Not<br>Adm.<br>% | Not<br>App.<br>% | Omitt<br>ed<br>% | Mean | Mode  | Min  | P5   | P10  | Q1   | Median | Q3    | P90   | P95   | Max   |
|-------------------------|--------|---------|------------------|------------------|------------------|------|-------|------|------|------|------|--------|-------|-------|-------|-------|
| France                  | 144    | 133     | 7.7              | 0.0              | 0.0              | 42.7 | 25.0  | 11.0 | 25.0 | 27.0 | 33.0 | 41.0   | 52.0  | 59.0  | 65.0  | 100.0 |
| Italy                   | 113    | 90      | 4.0              | 0.0              | 17.5             | 73.5 | 100.0 | 0.0  | 0.0  | 0.0  | 40.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| Lebanon                 | 251    | 220     | 0.0              | 0.0              | 15.4             | 61.7 | 100.0 | 0.0  | 9.0  | 15.0 | 35.0 | 60.0   | 100.0 | 100.0 | 100.0 | 100.0 |
| Norway                  | 133    | 107     | 21.3             | 0.0              | 1.7              | 15.6 | 10.0  | 0.0  | 2.0  | 6.0  | 10.0 | 14.0   | 22.0  | 29.0  | 33.0  | 43.0  |
| Portugal                | 221    | 207     | 3.3              | 0.0              | 2.5              | 10.6 | 0.0   | 0.0  | 0.0  | 0.0  | 1.0  | 10.0   | 14.0  | 21.0  | 28.0  | 73.0  |
| Russian Federation      | 346    | 341     | 0.0              | 0.0              | 3.0              | 32.2 | 0.0   | 0.0  | 0.0  | 0.0  | 0.0  | 29.0   | 50.0  | 100.0 | 100.0 | 100.0 |
| Russian Federation 6hr+ | 163    | 162     | 0.0              | 0.0              | 3.1              | 43.4 | 0.0   | 0.0  | 0.0  | 0.0  | 20.0 | 46.0   | 54.0  | 100.0 | 100.0 | 100.0 |
| Slovenia                | 69     | 65      | 4.0              | 0.0              | 0.0              | 20.7 | 0.0   | 0.0  | 0.0  | 0.0  | 10.0 | 18.0   | 30.0  | 40.0  | 48.0  | 83.0  |
| Sweden                  | 139    | 133     | 0.9              | 0.0              | 4.7              | 37.5 | 10.0  | 2.0  | 6.0  | 10.0 | 16.0 | 31.0   | 56.0  | 79.0  | 99.0  | 100.0 |
| United States           | 241    | 199     | 12.5             | 0.0              | 3.2              | 17.4 | 0.0   | 0.0  | 0.0  | 0.0  | 5.0  | 10.0   | 27.0  | 45.0  | 52.0  | 100.0 |
| International Avg (n=9) | 1657   | 1495    | 6.0              | 0.0              | 5.3              | 34.7 | 27.2  | 1.4  | 4.7  | 6.4  | 16.7 | 34.8   | 50.1  | 63.7  | 69.4  | 88.8  |

Question: How many days per year is your school open for instruction  
 Location: ScQ-07A (MCBG07A)

| Country                 | Sample | Valid N | Not<br>Adm.<br>% | Not<br>App.<br>% | Omitt<br>ed<br>% | Mean  | Mode  | Min   | P5    | P10   | Q1    | Median | Q3    | P90   | P95   | Max   |
|-------------------------|--------|---------|------------------|------------------|------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| France                  | 144    | 130     | 7.7              | 0.0              | 1.7              | 183.3 | 180.0 | 140.0 | 151.0 | 160.0 | 165.0 | 180.0  | 192.0 | 216.0 | 234.0 | 300.0 |
| Italy                   | 113    | 103     | 4.0              | 0.0              | 4.0              | 202.8 | 200.0 | 165.0 | 200.0 | 200.0 | 200.0 | 204.0  | 205.0 | 208.0 | 209.0 | 211.0 |
| Lebanon                 | 251    | 251     | 0.0              | 0.0              | 0.0              | 157.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 160.0  | 170.0 | 180.0 | 180.0 | 185.0 |
| Norway                  | 133    | 109     | 21.3             | 0.0              | 0.4              | 188.3 | 190.0 | 170.0 | 175.0 | 180.0 | 190.0 | 190.0  | 190.0 | 190.0 | 192.0 | 198.0 |
| Portugal                | 221    | 206     | 3.3              | 0.0              | 3.4              | 178.8 | 170.0 | 136.0 | 160.0 | 160.0 | 165.0 | 170.0  | 180.0 | 204.0 | 250.0 | 300.0 |
| Russian Federation      | 346    | 324     | 0.0              | 0.0              | 6.9              | 199.2 | 204.0 | 160.0 | 170.0 | 170.0 | 198.0 | 204.0  | 204.0 | 210.0 | 213.0 | 274.0 |
| Russian Federation 6hr+ | 163    | 151     | 0.0              | 0.0              | 10.2             | 203.3 | 204.0 | 167.0 | 175.0 | 194.0 | 202.0 | 204.0  | 204.0 | 210.0 | 230.0 | 245.0 |
| Slovenia                | 69     | 61      | 4.0              | 0.0              | 4.9              | 176.5 | 175.0 | 140.0 | 153.0 | 156.0 | 165.0 | 171.0  | 175.0 | 191.0 | 211.0 | 300.0 |
| Sweden                  | 139    | 136     | 0.9              | 0.0              | 2.4              | 178.3 | 178.0 | 160.0 | 173.0 | 174.0 | 178.0 | 178.0  | 178.0 | 180.0 | 181.0 | 278.0 |
| United States           | 241    | 201     | 12.5             | 0.0              | 2.1              | 177.8 | 180.0 | 144.0 | 159.0 | 170.0 | 175.0 | 180.0  | 180.0 | 184.0 | 185.0 | 255.0 |
| International Avg (n=9) | 1657   | 1521    | 6.0              | 0.0              | 2.9              | 182.5 | 179.7 | 150.6 | 164.6 | 167.8 | 175.1 | 181.9  | 186.0 | 195.9 | 206.1 | 255.7 |

Question: What is the total instructional time, excluding breaks, in a typical day  
 Location: ScQ-07B (MCBG07B)

| Country                 | Sample | Valid N | Not<br>Adm.<br>% | Not<br>App.<br>% | Omitt<br>ed<br>% | Mean  | Mode  | Min   | P5    | P10   | Q1    | Median | Q3    | P90   | P95   | Max   |
|-------------------------|--------|---------|------------------|------------------|------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| France                  | 144    | 131     | 7.7              | 0.0              | 1.3              | 437.9 | 480.0 | 210.0 | 350.0 | 385.0 | 400.0 | 440.0  | 480.0 | 500.0 | 540.0 | 600.0 |
| Italy                   | 113    | 97      | 4.0              | 0.0              | 10.7             | 307.5 | 300.0 | 260.0 | 275.0 | 280.0 | 290.0 | 300.0  | 330.0 | 360.0 | 360.0 | 365.0 |
| Lebanon                 | 251    | 251     | 0.0              | 0.0              | 0.0              | 355.7 | 350.0 | 300.0 | 300.0 | 320.0 | 350.0 | 350.0  | 370.0 | 385.0 | 400.0 | 460.0 |
| Norway                  | 133    | 108     | 21.3             | 0.0              | 1.0              | 329.3 | 360.0 | 225.0 | 270.0 | 270.0 | 270.0 | 350.0  | 360.0 | 360.0 | 380.0 | 585.0 |
| Portugal                | 221    | 190     | 3.3              | 0.0              | 11.2             | 359.6 | 270.0 | 180.0 | 225.0 | 250.0 | 270.0 | 350.0  | 450.0 | 540.0 | 540.0 | 550.0 |
| Russian Federation      | 346    | 328     | 0.0              | 0.0              | 4.8              | 275.3 | 270.0 | 240.0 | 240.0 | 240.0 | 270.0 | 270.0  | 280.0 | 315.0 | 320.0 | 480.0 |
| Russian Federation 6hr+ | 163    | 152     | 0.0              | 0.0              | 8.9              | 278.4 | 270.0 | 240.0 | 240.0 | 240.0 | 270.0 | 270.0  | 280.0 | 315.0 | 360.0 | 420.0 |
| Slovenia                | 69     | 62      | 4.0              | 0.0              | 4.5              | 310.1 | 315.0 | 270.0 | 270.0 | 270.0 | 300.0 | 315.0  | 315.0 | 345.0 | 360.0 | 360.0 |
| Sweden                  | 139    | 122     | 0.9              | 0.0              | 9.5              | 303.0 | 300.0 | 200.0 | 240.0 | 244.0 | 270.0 | 300.0  | 335.0 | 360.0 | 380.0 | 480.0 |
| United States           | 241    | 203     | 12.5             | 0.0              | 0.8              | 374.7 | 360.0 | 280.0 | 320.0 | 330.0 | 353.0 | 369.0  | 400.0 | 420.0 | 450.0 | 495.0 |
| International Avg (n=9) | 1657   | 1492    | 6.0              | 0.0              | 4.9              | 339.2 | 333.9 | 240.6 | 276.7 | 287.7 | 308.1 | 338.2  | 368.9 | 398.3 | 414.4 | 486.1 |

Question: In one calendar week, how many days is the school open for instruction  
Location: ScQ-07C (MCBG07C)

| Country                 | Sample | Valid N | 1.6<br>days<br>% | 2.5<br>one-ha<br>lf<br>days<br>% | 3.5<br>days<br>% | 4.4<br>one-ha<br>lf<br>days<br>% | 5.4<br>days<br>% | 6.Othe<br>r<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% |
|-------------------------|--------|---------|------------------|----------------------------------|------------------|----------------------------------|------------------|------------------|------------------------------|----------------------------|------------------|
| France                  | 144    | 133     | 9.5              | 18.3                             | 40.8             | 31.4                             | 0.0              | 0.0              | 7.7                          | 0.0                        | 0.0              |
| Italy                   | 113    | 108     | 78.7             | 2.3                              | 19.1             | 0.0                              | 0.0              | 0.0              | 4.0                          | 0.0                        | 0.0              |
| Lebanon                 | 251    | 248     | 5.4              | 6.4                              | 87.0             | 0.2                              | 0.0              | 0.9              | 0.0                          | 0.0                        | 0.8              |
| Norway                  | 133    | 110     | 0.2              | 0.0                              | 99.8             | 0.0                              | 0.0              | 0.0              | 21.3                         | 0.0                        | 0.3              |
| Portugal                | 221    | 213     | 0.0              | 0.0                              | 97.4             | 1.9                              | 0.7              | 0.0              | 3.3                          | 0.0                        | 0.2              |
| Russian Federation      | 346    | 345     | 83.6             | 2.1                              | 14.3             | 0.0                              | 0.0              | 0.0              | 0.0                          | 0.0                        | 0.3              |
| Russian Federation 6hr+ | 163    | 163     | 92.1             | 1.4                              | 6.5              | 0.0                              | 0.0              | 0.0              | 0.0                          | 0.0                        | 0.0              |
| Slovenia                | 69     | 65      | 0.0              | 0.0                              | 100.0            | 0.0                              | 0.0              | 0.0              | 4.0                          | 0.0                        | 0.0              |
| Sweden                  | 139    | 138     | 0.0              | 0.0                              | 99.7             | 0.3                              | 0.0              | 0.0              | 0.9                          | 0.0                        | 0.0              |
| United States           | 241    | 203     | 0.2              | 0.8                              | 98.7             | 0.0                              | 0.3              | 0.0              | 12.5                         | 0.0                        | 0.8              |
| International Avg (n=9) | 1657   | 1563    | 19.7             | 3.3                              | 73.0             | 3.8                              | 0.1              | 0.1              | 6.0                          | 0.0                        | 0.3              |

Question: In one calendar week, how many days is the school open for instruction  
Location: ScQ-07C (MCBG07C)

| Country                 | Sample | Valid N | 1.6<br>days<br>Mean | 2.5<br>one-ha<br>lf<br>days<br>Mean | 3.5<br>days<br>Mean | 4.4<br>one-ha<br>lf<br>days<br>Mean | 5.4<br>days<br>Mean | 6.Othe<br>r<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|---------------------|-------------------------------------|---------------------|-------------------------------------|---------------------|---------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 133     | 469.8               | 467.1                               | 454.5               | 463.7                               | .                   | .                   | 480.9                           | .                             | .                   |
| Italy                   | 113    | 108     | 423.1               | 393.1                               | 416.5               | .                                   | .                   | .                   | 440.6                           | .                             | .                   |
| Lebanon                 | 251    | 248     | 564.9               | 535.9                               | 529.7               | 450.2                               | .                   | 515.4               | .                               | .                             | 556.9               |
| Norway                  | 133    | 110     | 536.8               | .                                   | 461.8               | .                                   | .                   | .                   | 448.7                           | .                             | 490.1               |
| Portugal                | 221    | 213     | .                   | .                                   | 482.2               | 470.4                               | 510.4               | .                   | 480.1                           | .                             | 549.1               |
| Russian Federation      | 346    | 345     | 486.5               | 456.3                               | 478.1               | .                                   | .                   | .                   | .                               | .                             | 470.9               |
| Russian Federation 6hr+ | 163    | 163     | 539.3               | 588.2                               | 540.9               | .                                   | .                   | .                   | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | .                   | .                                   | 459.9               | .                                   | .                   | .                   | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 138     | .                   | .                                   | 431.2               | 336.9                               | .                   | .                   | 445.3                           | .                             | .                   |
| United States           | 241    | 203     | 366.0               | 558.3                               | 485.9               | .                                   | 367.4               | .                   | 474.8                           | .                             | 552.2               |
| International Avg (n=9) | 1657   | 1563    | 474.5               | 482.1                               | 466.6               | 430.3                               | 438.9               | 515.4               | 461.1                           | .                             | 523.8               |



Question: Does your school have a school library  
Location: ScQ-08A (MCBG08A)

| Country                 | Sample | Valid N | 1.Yes<br>% | 2.No<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Yes<br>Mean | 2.No<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|------------|-----------|------------------------------|----------------------------|------------------|---------------|--------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 133     | 98.9       | 1.1       | 7.7                          | 0.0                        | 0.0              | 460.6         | 508.5        | 480.9                           | .                             | .                   |
| Italy                   | 113    | 108     | 97.0       | 3.0       | 4.0                          | 0.0                        | 0.0              | 422.0         | 395.0        | 440.6                           | .                             | .                   |
| Lebanon                 | 251    | 249     | 91.5       | 8.5       | 0.0                          | 0.0                        | 0.3              | 530.4         | 548.4        | .                               | .                             | 514.9               |
| Norway                  | 133    | 110     | 94.0       | 6.0       | 21.3                         | 0.0                        | 0.3              | 463.1         | 443.8        | 448.7                           | .                             | 490.1               |
| Portugal                | 221    | 214     | 100.0      | 0.0       | 3.3                          | 0.0                        | 0.0              | 482.3         | .            | 480.1                           | .                             | .                   |
| Russian Federation      | 346    | 346     | 100.0      | 0.0       | 0.0                          | 0.0                        | 0.0              | 484.7         | .            | .                               | .                             | .                   |
| Russian Federation 6hr+ | 163    | 163     | 100.0      | 0.0       | 0.0                          | 0.0                        | 0.0              | 540.1         | .            | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 100.0      | 0.0       | 4.0                          | 0.0                        | 0.0              | 459.9         | .            | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 138     | 97.2       | 2.8       | 0.9                          | 0.0                        | 0.0              | 433.0         | 359.1        | 445.3                           | .                             | .                   |
| United States           | 241    | .       | .          | .         | .                            | .                          | .                | .             | .            | .                               | .                             | .                   |
| International Avg (n=8) | 1657   | 1363    | 97.3       | 2.7       | 5.2                          | 0.0                        | 0.1              | 467.0         | 451.0        | 458.8                           | .                             | 502.5               |

Question: Approximately how many books (print and digital) with different titles does your school library have (exclude magazines and periodicals). Print  
 Location: ScQ-08Ba (MCBG08BA)

| Country                 | Sample | Valid N | 1.250<br>or<br>fewer<br>% | 2.251-<br>500<br>% | 3.501-<br>2,000<br>% | 4.2,00<br>1-5,00<br>0<br>% | 5.5,00<br>1-10,0<br>00<br>% | 6.More<br>than<br>10,000<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% |
|-------------------------|--------|---------|---------------------------|--------------------|----------------------|----------------------------|-----------------------------|-------------------------------|------------------------------|----------------------------|------------------|
| France                  | 144    | 129     | 0.5                       | 2.9                | 18.0                 | 29.9                       | 27.2                        | 20.4                          | 7.7                          | 1.1                        | 3.1              |
| Italy                   | 113    | 104     | 1.1                       | 4.0                | 18.4                 | 34.5                       | 22.2                        | 16.7                          | 4.0                          | 3.2                        | 3.5              |
| Lebanon                 | 251    | 236     | 5.4                       | 11.3               | 23.2                 | 21.1                       | 16.2                        | 14.0                          | 0.0                          | 8.9                        | 4.8              |
| Norway                  | 133    | 104     | 0.6                       | 5.8                | 9.9                  | 24.5                       | 27.2                        | 25.8                          | 21.3                         | 6.2                        | 2.2              |
| Portugal                | 221    | 208     | 0.0                       | 1.4                | 4.1                  | 18.1                       | 38.3                        | 38.1                          | 3.3                          | 0.0                        | 1.7              |
| Russian Federation      | 346    | 342     | 1.6                       | 1.0                | 3.2                  | 10.2                       | 25.2                        | 58.8                          | 0.0                          | 0.0                        | 2.7              |
| Russian Federation 6hr+ | 163    | 162     | 0.6                       | 0.0                | 4.5                  | 10.7                       | 20.8                        | 63.4                          | 0.0                          | 0.0                        | 3.1              |
| Slovenia                | 69     | 65      | 0.0                       | 0.0                | 6.5                  | 5.2                        | 17.1                        | 71.2                          | 4.0                          | 0.0                        | 0.0              |
| Sweden                  | 139    | 131     | 1.7                       | 5.4                | 6.4                  | 12.9                       | 15.0                        | 55.7                          | 0.9                          | 2.9                        | 4.6              |
| United States           | 241    | .       | .                         | .                  | .                    | .                          | .                           | .                             | .                            | .                          | .                |
| International Avg (n=8) | 1657   | 1319    | 1.4                       | 4.0                | 11.2                 | 19.5                       | 23.6                        | 37.6                          | 5.2                          | 2.8                        | 2.8              |

Question: Approximately how many books (print and digital) with different titles does your school library have (exclude magazines and periodicals). Print  
 Location: ScQ-08Ba (MCBG08BA)

| Country                 | Sample | Valid N | 1.250<br>or<br>fewer<br>Mean | 2.251-<br>500<br>Mean | 3.501-<br>2,000<br>Mean | 4.2,00<br>1-5,00<br>0<br>Mean | 5.5,00<br>1-10,0<br>00<br>Mean | 6.More<br>than<br>10,000<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|------------------------------|-----------------------|-------------------------|-------------------------------|--------------------------------|----------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 129     | 451.9                        | 458.2                 | 465.7                   | 460.5                         | 452.9                          | 467.8                            | 480.9                           | 508.5                         | 457.5               |
| Italy                   | 113    | 104     | 332.2                        | 317.8                 | 409.5                   | 393.1                         | 467.4                          | 457.6                            | 440.6                           | 395.0                         | 458.9               |
| Lebanon                 | 251    | 236     | 537.2                        | 521.0                 | 531.7                   | 528.8                         | 527.3                          | 537.9                            | .                               | 548.4                         | 533.2               |
| Norway                  | 133    | 104     | 437.1                        | 498.0                 | 444.8                   | 461.9                         | 469.8                          | 463.2                            | 448.7                           | 443.8                         | 410.5               |
| Portugal                | 221    | 208     | .                            | 497.7                 | 475.4                   | 482.1                         | 479.8                          | 484.6                            | 480.1                           | .                             | 495.2               |
| Russian Federation      | 346    | 342     | 431.3                        | 538.0                 | 503.2                   | 469.4                         | 477.6                          | 491.3                            | .                               | .                             | 454.5               |
| Russian Federation 6hr+ | 163    | 162     | 548.8                        | .                     | 542.1                   | 538.2                         | 512.3                          | 545.8                            | .                               | .                             | 609.9               |
| Slovenia                | 69     | 65      | .                            | .                     | 438.2                   | 440.5                         | 447.3                          | 466.3                            | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 131     | 373.0                        | 386.6                 | 419.9                   | 442.6                         | 431.0                          | 440.0                            | 445.3                           | 359.1                         | 423.0               |
| United States           | 241    | .       | .                            | .                     | .                       | .                             | .                              | .                                | .                               | .                             | .                   |
| International Avg (n=8) | 1657   | 1319    | 427.1                        | 459.6                 | 461.0                   | 459.9                         | 469.1                          | 476.1                            | 458.8                           | 451.0                         | 461.8               |

Question: Approximately how many books (print and digital) with different titles does your school library have (exclude magazines and periodicals). Digital  
Location: ScQ-08Bb (MCBG08BB)

| Country                 | Sample | Valid N | 1.250<br>or<br>fewer<br>% | 2.251-<br>500<br>% | 3.501-<br>2,000<br>% | 4.2,00<br>1-5,00<br>0<br>% | 5.5,00<br>1-10,0<br>00<br>% | 6.More<br>than<br>10,000<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% |
|-------------------------|--------|---------|---------------------------|--------------------|----------------------|----------------------------|-----------------------------|-------------------------------|------------------------------|----------------------------|------------------|
| France                  | 144    | 125     | 72.0                      | 11.9               | 8.2                  | 1.4                        | 2.4                         | 3.0                           | 7.7                          | 1.1                        | 5.5              |
| Italy                   | 113    | 64      | 79.5                      | 7.2                | 1.5                  | 3.3                        | 1.8                         | 1.4                           | 4.0                          | 5.3                        | 41.1             |
| Lebanon                 | 251    | 116     | 55.3                      | 6.6                | 11.6                 | 4.5                        | 0.6                         | 4.4                           | 0.0                          | 17.1                       | 50.5             |
| Norway                  | 133    | 99      | 65.3                      | 12.5               | 12.9                 | 2.8                        | 0.0                         | 0.1                           | 21.3                         | 6.5                        | 6.1              |
| Portugal                | 221    | 170     | 70.4                      | 10.3               | 11.8                 | 5.6                        | 0.7                         | 1.3                           | 3.3                          | 0.0                        | 14.3             |
| Russian Federation      | 346    | 288     | 62.3                      | 17.4               | 12.8                 | 4.7                        | 2.7                         | 0.2                           | 0.0                          | 0.0                        | 18.6             |
| Russian Federation 6hr+ | 163    | 140     | 50.3                      | 26.8               | 14.2                 | 4.8                        | 2.9                         | 1.0                           | 0.0                          | 0.0                        | 16.6             |
| Slovenia                | 69     | 64      | 91.9                      | 5.4                | 2.6                  | 0.0                        | 0.0                         | 0.0                           | 4.0                          | 0.0                        | 1.2              |
| Sweden                  | 139    | 107     | 54.7                      | 6.6                | 9.0                  | 4.6                        | 7.9                         | 13.5                          | 0.9                          | 3.6                        | 22.7             |
| United States           | 241    | .       | .                         | .                  | .                    | .                          | .                           | .                             | .                            | .                          | .                |
| International Avg (n=8) | 1657   | 1033    | 68.9                      | 9.7                | 8.8                  | 3.4                        | 2.0                         | 3.0                           | 5.2                          | 4.2                        | 20.0             |

Question: Approximately how many books (print and digital) with different titles does your school library have (exclude magazines and periodicals). Digital  
 Location: ScQ-08Bb (MCBG08BB)

| Country                 | Sample | Valid N | 1.250<br>or<br>fewer<br>Mean | 2.251-<br>500<br>Mean | 3.501-<br>2,000<br>Mean | 4.2,00<br>1-5,00<br>0<br>Mean | 5.5,00<br>1-10,0<br>00<br>Mean | 6.More<br>than<br>10,000<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|------------------------------|-----------------------|-------------------------|-------------------------------|--------------------------------|----------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 125     | 458.2                        | 464.3                 | 477.6                   | 481.2                         | 480.0                          | 450.6                            | 480.9                           | 508.5                         | 452.6               |
| Italy                   | 113    | 64      | 437.3                        | 399.8                 | 335.5                   | 450.3                         | 349.5                          | 486.2                            | 440.6                           | 395.0                         | 408.8               |
| Lebanon                 | 251    | 116     | 534.6                        | 528.6                 | 546.2                   | 502.5                         | 486.2                          | 494.1                            | .                               | 548.4                         | 529.4               |
| Norway                  | 133    | 99      | 471.4                        | 444.2                 | 455.7                   | 434.0                         | .                              | 381.3                            | 448.7                           | 443.8                         | 450.5               |
| Portugal                | 221    | 170     | 480.3                        | 479.1                 | 480.8                   | 492.7                         | 527.1                          | 507.0                            | 480.1                           | .                             | 486.8               |
| Russian Federation      | 346    | 288     | 482.7                        | 504.4                 | 491.8                   | 479.0                         | 440.0                          | 629.1                            | .                               | .                             | 476.3               |
| Russian Federation 6hr+ | 163    | 140     | 526.1                        | 560.2                 | 531.3                   | 585.4                         | 493.5                          | 629.1                            | .                               | .                             | 546.0               |
| Slovenia                | 69     | 64      | 462.1                        | 437.7                 | 444.0                   | .                             | .                              | .                                | 457.3                           | .                             | 431.5               |
| Sweden                  | 139    | 107     | 429.2                        | 436.1                 | 428.4                   | 415.2                         | 439.8                          | 444.3                            | 445.3                           | 359.1                         | 436.4               |
| United States           | 241    | .       | .                            | .                     | .                       | .                             | .                              | .                                | .                               | .                             | .                   |
| International Avg (n=8) | 1657   | 1033    | 469.5                        | 461.8                 | 457.5                   | 465.0                         | 453.8                          | 484.7                            | 458.8                           | 451.0                         | 459.0               |

Question: Approximately how many titles of magazines and other periodicals (print and digital) does your school library have. Print  
 Location: ScQ-08Ca (MCBG08CA)

| Country                 | Sample | Valid N | 1.0<br>% | 2.1-5<br>% | 3.6-10<br>% | 4.11-3<br>0<br>% | 5.31<br>or<br>more<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% |
|-------------------------|--------|---------|----------|------------|-------------|------------------|-------------------------|------------------------------|----------------------------|------------------|
| France                  | 144    | 129     | 0.6      | 0.0        | 10.1        | 37.0             | 51.2                    | 7.7                          | 1.1                        | 3.1              |
| Italy                   | 113    | 104     | 4.2      | 43.4       | 29.8        | 12.6             | 6.9                     | 4.0                          | 3.2                        | 3.8              |
| Lebanon                 | 251    | 234     | 6.5      | 24.6       | 20.5        | 17.5             | 21.9                    | 0.0                          | 9.0                        | 5.6              |
| Norway                  | 133    | 105     | 0.0      | 1.2        | 15.5        | 47.2             | 30.0                    | 21.3                         | 6.2                        | 2.1              |
| Portugal                | 221    | 210     | 1.9      | 25.2       | 38.8        | 22.9             | 11.2                    | 3.3                          | 0.0                        | 1.8              |
| Russian Federation      | 346    | 340     | 1.8      | 14.2       | 21.9        | 35.5             | 26.6                    | 0.0                          | 0.0                        | 2.9              |
| Russian Federation 6hr+ | 163    | 160     | 1.4      | 7.5        | 26.7        | 34.0             | 30.4                    | 0.0                          | 0.0                        | 4.2              |
| Slovenia                | 69     | 65      | 0.0      | 8.1        | 4.1         | 34.4             | 53.3                    | 4.0                          | 0.0                        | 0.0              |
| Sweden                  | 139    | 131     | 1.9      | 8.7        | 7.8         | 34.0             | 44.6                    | 0.9                          | 2.9                        | 5.3              |
| United States           | 241    | .       | .        | .          | .           | .                | .                       | .                            | .                          | .                |
| International Avg (n=8) | 1657   | 1318    | 2.1      | 15.7       | 18.6        | 30.1             | 30.7                    | 5.2                          | 2.8                        | 3.1              |

Question: Approximately how many titles of magazines and other periodicals (print and digital) does your school library have. Print  
Location: ScQ-08Ca (MCBG08CA)

| Country                 | Sample | Valid N | 1.0<br>Mean | 2.1-5<br>Mean | 3.6-10<br>Mean | 4.11-3<br>0<br>Mean | 5.31<br>or<br>more<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|-------------|---------------|----------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 129     | 442.1       | .             | 451.0          | 462.7               | 461.5                      | 480.9                           | 508.5                         | 457.5               |
| Italy                   | 113    | 104     | 339.6       | 403.5         | 438.5          | 465.5               | 438.8                      | 440.6                           | 395.0                         | 418.9               |
| Lebanon                 | 251    | 234     | 530.9       | 527.6         | 529.1          | 549.3               | 517.9                      | .                               | 548.4                         | 535.9               |
| Norway                  | 133    | 105     | .           | 440.7         | 456.3          | 462.0               | 474.5                      | 448.7                           | 443.8                         | 409.5               |
| Portugal                | 221    | 210     | 487.9       | 482.2         | 476.9          | 483.6               | 493.5                      | 480.1                           | .                             | 508.1               |
| Russian Federation      | 346    | 340     | 468.8       | 456.5         | 482.1          | 490.6               | 497.1                      | .                               | .                             | 464.8               |
| Russian Federation 6hr+ | 163    | 160     | 516.8       | 481.9         | 538.3          | 547.6               | 539.1                      | .                               | .                             | 607.4               |
| Slovenia                | 69     | 65      | .           | 445.6         | 459.0          | 443.3               | 472.9                      | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 131     | 439.6       | 394.2         | 420.0          | 436.9               | 441.0                      | 445.3                           | 359.1                         | 422.2               |
| United States           | 241    | .       | .           | .             | .              | .                   | .                          | .                               | .                             | .                   |
| International Avg (n=8) | 1657   | 1318    | 451.5       | 450.0         | 464.1          | 474.2               | 474.6                      | 458.8                           | 451.0                         | 459.6               |

Question: Approximately how many titles of magazines and other periodicals (print and digital) does your school library have. Digital  
 Location: ScQ-08Cb (MCBG08CB)

| Country                 | Sample | Valid N | 1.0<br>% | 2.1-5<br>% | 3.6-10<br>% | 4.11-3<br>0<br>% | 5.31<br>or<br>more<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% |
|-------------------------|--------|---------|----------|------------|-------------|------------------|-------------------------|------------------------------|----------------------------|------------------|
| France                  | 144    | 125     | 26.6     | 31.0       | 14.8        | 12.2             | 14.4                    | 7.7                          | 1.1                        | 6.1              |
| Italy                   | 113    | 70      | 52.3     | 37.2       | 3.0         | 1.5              | 1.3                     | 4.0                          | 4.8                        | 34.8             |
| Lebanon                 | 251    | 118     | 30.3     | 28.2       | 15.3        | 5.9              | 3.4                     | 0.0                          | 16.9                       | 49.7             |
| Norway                  | 133    | 99      | 44.9     | 25.3       | 11.8        | 2.8              | 8.7                     | 21.3                         | 6.5                        | 5.8              |
| Portugal                | 221    | 166     | 54.3     | 41.1       | 1.5         | 3.0              | 0.0                     | 3.3                          | 0.0                        | 20.3             |
| Russian Federation      | 346    | 281     | 39.2     | 27.3       | 13.0        | 11.7             | 8.8                     | 0.0                          | 0.0                        | 22.5             |
| Russian Federation 6hr+ | 163    | 138     | 38.2     | 26.3       | 16.2        | 9.8              | 9.4                     | 0.0                          | 0.0                        | 17.9             |
| Slovenia                | 69     | 63      | 33.1     | 51.2       | 11.6        | 0.0              | 4.1                     | 4.0                          | 0.0                        | 1.7              |
| Sweden                  | 139    | 114     | 20.2     | 15.3       | 5.5         | 21.0             | 34.6                    | 0.9                          | 3.3                        | 17.1             |
| United States           | 241    | .       | .        | .          | .           | .                | .                       | .                            | .                          | .                |
| International Avg (n=8) | 1657   | 1036    | 37.6     | 32.1       | 9.6         | 7.3              | 9.4                     | 5.2                          | 4.1                        | 19.8             |



Question: Approximately how many titles of magazines and other periodicals (print and digital) does your school library have. Digital  
 Location: ScQ-08Cb (MCBG08CB)

| Country                 | Sample | Valid N | 1.0<br>Mean | 2.1-5<br>Mean | 3.6-10<br>Mean | 4.11-3<br>0<br>Mean | 5.31<br>or<br>more<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|-------------|---------------|----------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 125     | 466.2       | 447.0         | 481.9          | 461.0               | 460.4                      | 480.9                           | 508.5                         | 455.0               |
| Italy                   | 113    | 70      | 414.5       | 452.4         | 453.3          | 416.5               | 329.4                      | 440.6                           | 395.0                         | 409.7               |
| Lebanon                 | 251    | 118     | 533.4       | 532.1         | 528.0          | 546.5               | 524.2                      | .                               | 548.4                         | 528.5               |
| Norway                  | 133    | 99      | 469.3       | 446.7         | 460.9          | 472.2               | 491.4                      | 448.7                           | 443.8                         | 451.3               |
| Portugal                | 221    | 166     | 480.3       | 480.3         | 450.6          | 525.5               | .                          | 480.1                           | .                             | 486.5               |
| Russian Federation      | 346    | 281     | 474.2       | 485.9         | 515.1          | 493.3               | 494.9                      | .                               | .                             | 477.5               |
| Russian Federation 6hr+ | 163    | 138     | 535.8       | 524.9         | 552.0          | 555.4               | 550.1                      | .                               | .                             | 545.8               |
| Slovenia                | 69     | 63      | 471.6       | 447.2         | 458.4          | .                   | 551.4                      | 457.3                           | .                             | 405.6               |
| Sweden                  | 139    | 114     | 420.8       | 428.2         | 430.7          | 433.0               | 440.3                      | 445.3                           | 359.1                         | 436.8               |
| United States           | 241    | .       | .           | .             | .              | .                   | .                          | .                               | .                             | .                   |
| International Avg (n=8) | 1657   | 1036    | 466.3       | 465.0         | 472.4          | 478.3               | 470.3                      | 458.8                           | 451.0                         | 456.4               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. General School Resources.  
 Instructional materials (e.g., textbooks)

Location: ScQ-09Aa (MCBG09AA)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 80.1                 | 17.6               | 1.5         | 0.8             | 7.7                          | 0.0                        | 0.6              | 461.3                   | 460.5                 | 459.8          | 438.8              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 107     | 51.3                 | 41.9               | 6.8         | 0.0             | 4.0                          | 0.0                        | 0.9              | 432.8                   | 411.4                 | 394.7          | .                  | 440.6                           | .                             | 416.5               |
| Lebanon                 | 251    | 233     | 48.8                 | 13.0               | 23.3        | 14.9            | 0.0                          | 0.0                        | 6.1              | 545.2                   | 517.1                 | 519.6          | 520.0              | .                               | .                             | 532.5               |
| Norway                  | 133    | 109     | 83.7                 | 13.9               | 1.6         | 0.8             | 21.3                         | 0.0                        | 0.4              | 465.2                   | 443.4                 | 460.7          | 449.3              | 448.7                           | .                             | 477.2               |
| Portugal                | 221    | 212     | 54.5                 | 34.3               | 7.8         | 3.4             | 3.3                          | 0.0                        | 0.7              | 484.4                   | 479.8                 | 478.4          | 473.6              | 480.1                           | .                             | 531.3               |
| Russian Federation      | 346    | 338     | 44.5                 | 19.6               | 21.0        | 14.8            | 0.0                          | 0.0                        | 2.9              | 492.3                   | 480.6                 | 485.3          | 466.1              | .                               | .                             | 485.4               |
| Russian Federation 6hr+ | 163    | 160     | 45.3                 | 22.1               | 23.6        | 9.0             | 0.0                          | 0.0                        | 2.9              | 539.1                   | 533.3                 | 539.5          | 548.6              | .                               | .                             | 583.7               |
| Slovenia                | 69     | 65      | 68.4                 | 23.7               | 4.9         | 3.0             | 4.0                          | 0.0                        | 0.0              | 453.3                   | 466.7                 | 542.8          | 421.4              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 135     | 82.5                 | 13.8               | 1.2         | 2.6             | 0.9                          | 0.0                        | 3.1              | 432.6                   | 417.6                 | 373.1          | 435.3              | 445.3                           | .                             | 463.7               |
| United States           | 241    | 203     | 65.3                 | 22.2               | 10.7        | 1.8             | 12.5                         | 0.0                        | 0.7              | 492.4                   | 478.8                 | 463.8          | 468.9              | 474.8                           | .                             | 551.6               |
| International Avg (n=9) | 1657   | 1534    | 64.3                 | 22.2               | 8.8         | 4.7             | 6.0                          | 0.0                        | 1.7              | 473.3                   | 461.8                 | 464.2          | 459.2              | 461.1                           | .                             | 493.6               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. General School Resources.  
 Supplies (e.g., papers, pencils, materials)  
 Location: ScQ-09Ab (MCBG09AB)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 90.9                 | 5.8                | 2.5         | 0.8             | 7.7                          | 0.0                        | 0.6              | 462.3                   | 449.6                 | 446.5          | 438.8              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 107     | 53.1                 | 35.3               | 10.7        | 0.9             | 4.0                          | 0.0                        | 0.9              | 437.5                   | 408.0                 | 380.6          | 459.7              | 440.6                           | .                             | 416.5               |
| Lebanon                 | 251    | 232     | 53.7                 | 10.7               | 16.3        | 19.3            | 0.0                          | 0.0                        | 6.5              | 542.4                   | 516.6                 | 525.5          | 516.9              | .                               | .                             | 530.9               |
| Norway                  | 133    | 110     | 93.0                 | 6.2                | 0.0         | 0.8             | 21.3                         | 0.0                        | 0.3              | 462.2                   | 460.1                 | .              | 449.3              | 448.7                           | .                             | 490.1               |
| Portugal                | 221    | 211     | 73.1                 | 18.2               | 5.6         | 3.1             | 3.3                          | 0.0                        | 1.1              | 483.0                   | 481.5                 | 480.4          | 470.0              | 480.1                           | .                             | 498.2               |
| Russian Federation      | 346    | 339     | 65.6                 | 16.8               | 11.9        | 5.7             | 0.0                          | 0.0                        | 2.7              | 493.0                   | 483.4                 | 458.3          | 448.4              | .                               | .                             | 484.0               |
| Russian Federation 6hr+ | 163    | 160     | 74.5                 | 10.8               | 11.9        | 2.8             | 0.0                          | 0.0                        | 2.9              | 545.8                   | 536.7                 | 486.9          | 576.7              | .                               | .                             | 588.2               |
| Slovenia                | 69     | 65      | 84.7                 | 12.3               | 0.0         | 3.0             | 4.0                          | 0.0                        | 0.0              | 462.5                   | 451.0                 | .              | 421.4              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 94.1                 | 2.3                | 1.5         | 2.0             | 0.9                          | 0.0                        | 1.0              | 432.9                   | 379.3                 | 383.5          | 460.0              | 445.3                           | .                             | 380.6               |
| United States           | 241    | 203     | 75.0                 | 15.0               | 8.8         | 1.2             | 12.5                         | 0.0                        | 0.7              | 489.4                   | 476.4                 | 476.7          | 455.2              | 474.8                           | .                             | 551.6               |
| International Avg (n=9) | 1657   | 1535    | 75.9                 | 13.6               | 6.4         | 4.1             | 6.0                          | 0.0                        | 1.5              | 473.9                   | 456.2                 | 450.2          | 457.7              | 461.1                           | .                             | 480.3               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. General School Resources.  
 School buildings and grounds

Location: ScQ-09Ac (MCBG09AC)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 63.0                 | 26.6               | 9.7         | 0.7             | 7.7                          | 0.0                        | 0.6              | 461.6                   | 463.0                 | 449.2          | 483.9              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 107     | 24.8                 | 42.2               | 21.2        | 11.8            | 4.0                          | 0.0                        | 0.9              | 419.7                   | 427.7                 | 422.8          | 398.3              | 440.6                           | .                             | 416.5               |
| Lebanon                 | 251    | 231     | 37.2                 | 21.6               | 26.1        | 15.1            | 0.0                          | 0.0                        | 7.8              | 543.3                   | 525.5                 | 531.1          | 512.5              | .                               | .                             | 534.8               |
| Norway                  | 133    | 110     | 57.0                 | 28.2               | 11.3        | 3.5             | 21.3                         | 0.0                        | 0.3              | 472.2                   | 454.8                 | 431.3          | 452.2              | 448.7                           | .                             | 490.1               |
| Portugal                | 221    | 212     | 46.1                 | 27.0               | 13.7        | 13.3            | 3.3                          | 0.0                        | 0.3              | 486.1                   | 481.2                 | 474.1          | 478.8              | 480.1                           | .                             | 526.2               |
| Russian Federation      | 346    | 337     | 38.2                 | 16.4               | 31.6        | 13.9            | 0.0                          | 0.0                        | 3.0              | 480.4                   | 493.8                 | 490.4          | 472.6              | .                               | .                             | 484.9               |
| Russian Federation 6hr+ | 163    | 158     | 31.1                 | 19.6               | 40.2        | 9.2             | 0.0                          | 0.0                        | 4.4              | 530.5                   | 525.0                 | 549.9          | 558.2              | .                               | .                             | 548.0               |
| Slovenia                | 69     | 65      | 51.6                 | 36.3               | 8.6         | 3.5             | 4.0                          | 0.0                        | 0.0              | 457.0                   | 474.2                 | 432.2          | 421.6              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 135     | 72.4                 | 21.3               | 3.7         | 2.6             | 0.9                          | 0.0                        | 3.1              | 431.9                   | 430.5                 | 414.5          | 389.1              | 445.3                           | .                             | 463.7               |
| United States           | 241    | 202     | 68.8                 | 22.1               | 7.8         | 1.3             | 12.5                         | 0.0                        | 1.6              | 483.6                   | 500.1                 | 469.1          | 514.0              | 474.8                           | .                             | 482.9               |
| International Avg (n=9) | 1657   | 1531    | 51.0                 | 26.9               | 14.8        | 7.3             | 6.0                          | 0.0                        | 2.0              | 470.6                   | 472.3                 | 457.2          | 458.1              | 461.1                           | .                             | 486.2               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. General School Resources.  
Heating/cooling and lighting systems

Location: ScQ-09Ad (MCBG09AD)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 73.1                 | 14.2               | 9.7         | 3.0             | 7.7                          | 0.0                        | 0.6              | 464.5                   | 453.5                 | 442.0          | 471.7              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 107     | 30.4                 | 43.3               | 23.5        | 2.8             | 4.0                          | 0.0                        | 0.9              | 429.4                   | 421.5                 | 421.4          | 326.4              | 440.6                           | .                             | 416.5               |
| Lebanon                 | 251    | 235     | 33.4                 | 32.4               | 19.5        | 14.6            | 0.0                          | 0.0                        | 6.0              | 543.0                   | 533.5                 | 521.3          | 519.1              | .                               | .                             | 527.0               |
| Norway                  | 133    | 110     | 68.4                 | 24.3               | 6.1         | 1.1             | 21.3                         | 0.0                        | 0.3              | 469.8                   | 447.4                 | 435.0          | 447.7              | 448.7                           | .                             | 490.1               |
| Portugal                | 221    | 214     | 31.2                 | 35.6               | 19.7        | 13.5            | 3.3                          | 0.0                        | 0.0              | 483.2                   | 484.8                 | 476.2          | 482.8              | 480.1                           | .                             | .                   |
| Russian Federation      | 346    | 338     | 36.7                 | 27.2               | 26.7        | 9.4             | 0.0                          | 0.0                        | 3.7              | 495.7                   | 492.8                 | 467.1          | 464.4              | .                               | .                             | 493.5               |
| Russian Federation 6hr+ | 163    | 160     | 37.9                 | 26.8               | 25.6        | 9.7             | 0.0                          | 0.0                        | 3.7              | 538.7                   | 549.7                 | 524.5          | 555.6              | .                               | .                             | 552.0               |
| Slovenia                | 69     | 65      | 78.4                 | 18.6               | 0.0         | 3.0             | 4.0                          | 0.0                        | 0.0              | 465.3                   | 443.2                 | .              | 421.4              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 61.1                 | 26.2               | 8.1         | 4.5             | 0.9                          | 0.0                        | 1.0              | 436.2                   | 416.9                 | 445.6          | 425.9              | 445.3                           | .                             | 380.6               |
| United States           | 241    | 202     | 72.8                 | 20.2               | 5.4         | 1.6             | 12.5                         | 0.0                        | 1.6              | 488.4                   | 478.4                 | 499.9          | 458.7              | 474.8                           | .                             | 482.9               |
| International Avg (n=9) | 1657   | 1539    | 53.9                 | 26.9               | 13.2        | 6.0             | 6.0                          | 0.0                        | 1.6              | 475.0                   | 463.6                 | 463.6          | 446.5              | 461.1                           | .                             | 468.7               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. General School Resources.  
 Instructional space (e.g., classrooms)

Location: ScQ-09Ae (MCBG09AE)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 54.3                 | 28.4               | 12.6        | 4.8             | 7.7                          | 0.0                        | 0.6              | 462.9                   | 454.7                 | 461.7          | 474.0              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 107     | 21.2                 | 41.4               | 23.1        | 14.3            | 4.0                          | 0.0                        | 0.9              | 413.5                   | 431.3                 | 421.3          | 403.2              | 440.6                           | .                             | 416.5               |
| Lebanon                 | 251    | 235     | 41.8                 | 20.7               | 19.4        | 18.1            | 0.0                          | 0.0                        | 5.8              | 540.4                   | 535.9                 | 523.3          | 517.8              | .                               | .                             | 528.6               |
| Norway                  | 133    | 110     | 57.6                 | 32.4               | 8.9         | 1.1             | 21.3                         | 0.0                        | 0.3              | 469.7                   | 455.7                 | 435.8          | 447.7              | 448.7                           | .                             | 490.1               |
| Portugal                | 221    | 214     | 45.1                 | 29.1               | 15.6        | 10.1            | 3.3                          | 0.0                        | 0.0              | 485.5                   | 480.7                 | 480.6          | 475.2              | 480.1                           | .                             | .                   |
| Russian Federation      | 346    | 338     | 26.4                 | 22.1               | 36.8        | 14.7            | 0.0                          | 0.0                        | 3.5              | 498.0                   | 487.0                 | 472.4          | 481.7              | .                               | .                             | 509.6               |
| Russian Federation 6hr+ | 163    | 161     | 22.8                 | 19.3               | 43.7        | 14.3            | 0.0                          | 0.0                        | 2.3              | 534.4                   | 544.8                 | 533.5          | 550.8              | .                               | .                             | 611.8               |
| Slovenia                | 69     | 65      | 55.2                 | 35.1               | 6.3         | 3.5             | 4.0                          | 0.0                        | 0.0              | 455.4                   | 464.8                 | 493.2          | 421.6              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 53.7                 | 33.6               | 11.4        | 1.3             | 0.9                          | 0.0                        | 1.0              | 427.0                   | 439.3                 | 439.6          | 339.8              | 445.3                           | .                             | 380.6               |
| United States           | 241    | 202     | 61.3                 | 27.1               | 9.7         | 1.9             | 12.5                         | 0.0                        | 1.6              | 479.6                   | 505.4                 | 476.0          | 493.9              | 474.8                           | .                             | 482.9               |
| International Avg (n=9) | 1657   | 1539    | 46.3                 | 30.0               | 16.0        | 7.8             | 6.0                          | 0.0                        | 1.5              | 470.2                   | 472.8                 | 467.1          | 450.5              | 461.1                           | .                             | 471.2               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. General School Resources.  
 Technologically competent staff

Location: ScQ-09Af (MCBG09AF)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 62.9                 | 30.5               | 5.6         | 1.0             | 7.7                          | 0.0                        | 0.6              | 462.0                   | 458.7                 | 458.0          | 480.8              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 107     | 14.5                 | 41.8               | 36.1        | 7.6             | 4.0                          | 0.0                        | 0.9              | 380.1                   | 434.7                 | 418.2          | 439.8              | 440.6                           | .                             | 416.5               |
| Lebanon                 | 251    | 235     | 30.7                 | 28.7               | 30.9        | 9.7             | 0.0                          | 0.0                        | 5.9              | 552.8                   | 521.0                 | 527.2          | 516.9              | .                               | .                             | 525.2               |
| Norway                  | 133    | 110     | 49.8                 | 48.3               | 1.8         | 0.0             | 21.3                         | 0.0                        | 0.3              | 464.3                   | 460.4                 | 438.2          | .                  | 448.7                           | .                             | 490.1               |
| Portugal                | 221    | 213     | 26.8                 | 41.0               | 26.3        | 5.9             | 3.3                          | 0.0                        | 0.6              | 485.9                   | 480.7                 | 479.8          | 489.0              | 480.1                           | .                             | 477.0               |
| Russian Federation      | 346    | 339     | 26.2                 | 32.0               | 27.4        | 14.4            | 0.0                          | 0.0                        | 2.9              | 492.8                   | 486.9                 | 489.6          | 456.0              | .                               | .                             | 481.8               |
| Russian Federation 6hr+ | 163    | 161     | 21.7                 | 27.8               | 32.8        | 17.7            | 0.0                          | 0.0                        | 2.3              | 528.4                   | 542.3                 | 538.9          | 543.7              | .                               | .                             | 611.8               |
| Slovenia                | 69     | 65      | 49.2                 | 45.0               | 2.8         | 3.0             | 4.0                          | 0.0                        | 0.0              | 459.2                   | 464.8                 | 433.7          | 421.4              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 60.1                 | 28.7               | 9.9         | 1.3             | 0.9                          | 0.0                        | 1.0              | 435.3                   | 428.0                 | 415.3          | 453.2              | 445.3                           | .                             | 380.6               |
| United States           | 241    | 201     | 51.0                 | 32.8               | 11.7        | 4.5             | 12.5                         | 0.0                        | 2.0              | 491.7                   | 486.7                 | 468.5          | 468.1              | 474.8                           | .                             | 493.5               |
| International Avg (n=9) | 1657   | 1538    | 41.2                 | 36.5               | 17.0        | 5.3             | 6.0                          | 0.0                        | 1.6              | 469.4                   | 469.1                 | 458.7          | 465.6              | 461.1                           | .                             | 469.4               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. General School Resources.  
 Audio-visual resources for delivery of instruction (e.g., interactive white boards, digital projectors)

Location: ScQ-09Ag (MCBG09AG)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 57.3                 | 29.4               | 11.8        | 1.6             | 7.7                          | 0.0                        | 0.6              | 463.9                   | 455.2                 | 458.9          | 477.0              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 107     | 32.8                 | 41.0               | 21.6        | 4.6             | 4.0                          | 0.0                        | 0.9              | 426.5                   | 416.3                 | 429.7          | 387.4              | 440.6                           | .                             | 416.5               |
| Lebanon                 | 251    | 236     | 28.3                 | 31.3               | 30.6        | 9.8             | 0.0                          | 0.0                        | 5.7              | 553.5                   | 527.0                 | 526.0          | 506.4              | .                               | .                             | 527.0               |
| Norway                  | 133    | 110     | 59.7                 | 34.1               | 6.3         | 0.0             | 21.3                         | 0.0                        | 0.3              | 466.5                   | 456.7                 | 446.3          | .                  | 448.7                           | .                             | 490.1               |
| Portugal                | 221    | 214     | 41.9                 | 28.7               | 19.7        | 9.6             | 3.3                          | 0.0                        | 0.0              | 479.7                   | 484.5                 | 481.5          | 488.9              | 480.1                           | .                             | .                   |
| Russian Federation      | 346    | 339     | 24.0                 | 24.6               | 36.2        | 15.2            | 0.0                          | 0.0                        | 2.9              | 512.1                   | 493.6                 | 476.0          | 448.1              | .                               | .                             | 481.8               |
| Russian Federation 6hr+ | 163    | 161     | 33.5                 | 23.0               | 36.0        | 7.6             | 0.0                          | 0.0                        | 2.3              | 549.4                   | 542.9                 | 529.0          | 520.6              | .                               | .                             | 611.8               |
| Slovenia                | 69     | 65      | 63.2                 | 32.1               | 1.7         | 3.0             | 4.0                          | 0.0                        | 0.0              | 469.1                   | 448.6                 | 397.5          | 421.4              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 135     | 52.5                 | 34.5               | 12.6        | 0.4             | 0.9                          | 0.0                        | 1.7              | 423.2                   | 449.6                 | 422.4          | 375.7              | 445.3                           | .                             | 371.2               |
| United States           | 241    | 202     | 59.8                 | 29.1               | 9.0         | 2.1             | 12.5                         | 0.0                        | 1.6              | 484.9                   | 497.5                 | 472.9          | 438.3              | 474.8                           | .                             | 482.9               |
| International Avg (n=9) | 1657   | 1540    | 46.6                 | 31.7               | 16.6        | 5.1             | 6.0                          | 0.0                        | 1.5              | 475.5                   | 469.9                 | 456.8          | 442.9              | 461.1                           | .                             | 465.7               |



Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. General School Resources.  
Computer technology for teaching and learning (e.g., computers or tablets for student use)

Location: ScQ-09Ah (MCBG09AH)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 41.4                 | 33.3               | 19.1        | 6.2             | 7.7                          | 0.0                        | 0.6              | 463.2                   | 459.3                 | 460.5          | 456.1              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 107     | 24.2                 | 40.3               | 29.7        | 5.9             | 4.0                          | 0.0                        | 0.9              | 404.7                   | 442.0                 | 414.8          | 378.5              | 440.6                           | .                             | 416.5               |
| Lebanon                 | 251    | 236     | 26.7                 | 26.0               | 34.0        | 13.4            | 0.0                          | 0.0                        | 5.7              | 544.4                   | 537.6                 | 526.1          | 512.7              | .                               | .                             | 527.0               |
| Norway                  | 133    | 110     | 82.0                 | 17.2               | 0.8         | 0.0             | 21.3                         | 0.0                        | 0.3              | 464.7                   | 449.3                 | 449.3          | .                  | 448.7                           | .                             | 490.1               |
| Portugal                | 221    | 214     | 22.3                 | 35.8               | 27.5        | 14.3            | 3.3                          | 0.0                        | 0.0              | 475.6                   | 487.5                 | 478.5          | 487.1              | 480.1                           | .                             | .                   |
| Russian Federation      | 346    | 339     | 18.1                 | 27.7               | 38.9        | 15.4            | 0.0                          | 0.0                        | 2.9              | 517.0                   | 491.0                 | 478.0          | 452.6              | .                               | .                             | 481.8               |
| Russian Federation 6hr+ | 163    | 161     | 26.7                 | 25.8               | 32.7        | 14.7            | 0.0                          | 0.0                        | 2.3              | 544.7                   | 561.0                 | 513.0          | 543.7              | .                               | .                             | 611.8               |
| Slovenia                | 69     | 65      | 46.9                 | 42.3               | 7.4         | 3.4             | 4.0                          | 0.0                        | 0.0              | 468.4                   | 459.1                 | 428.6          | 419.4              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 61.9                 | 20.9               | 15.2        | 2.0             | 0.9                          | 0.0                        | 1.0              | 426.4                   | 444.0                 | 446.0          | 346.9              | 445.3                           | .                             | 380.6               |
| United States           | 241    | 202     | 51.2                 | 27.3               | 17.0        | 4.4             | 12.5                         | 0.0                        | 1.6              | 487.5                   | 492.9                 | 483.9          | 445.6              | 474.8                           | .                             | 482.9               |
| International Avg (n=9) | 1657   | 1541    | 41.6                 | 30.1               | 21.1        | 7.2             | 6.0                          | 0.0                        | 1.5              | 472.4                   | 473.6                 | 462.9          | 437.4              | 461.1                           | .                             | 467.0               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. General School Resources.  
 Resources for students with disabilities

Location: ScQ-09Ai (MCBG09Ai)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 31.5                 | 39.1               | 22.9        | 6.5             | 7.7                          | 0.0                        | 0.6              | 468.9                   | 459.7                 | 454.2          | 454.2              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 107     | 24.7                 | 46.6               | 23.2        | 5.5             | 4.0                          | 0.0                        | 0.9              | 439.1                   | 419.1                 | 411.5          | 399.6              | 440.6                           | .                             | 416.5               |
| Lebanon                 | 251    | 215     | 41.1                 | 16.8               | 21.9        | 20.1            | 0.0                          | 0.0                        | 14.8             | 534.6                   | 529.9                 | 530.2          | 526.2              | .                               | .                             | 536.1               |
| Norway                  | 133    | 110     | 37.6                 | 47.0               | 15.4        | 0.0             | 21.3                         | 0.0                        | 0.3              | 474.7                   | 452.6                 | 459.1          | .                  | 448.7                           | .                             | 490.1               |
| Portugal                | 221    | 211     | 16.3                 | 38.3               | 36.0        | 9.3             | 3.3                          | 0.0                        | 1.7              | 472.8                   | 489.6                 | 476.5          | 482.1              | 480.1                           | .                             | 533.2               |
| Russian Federation      | 346    | 335     | 37.4                 | 27.6               | 22.2        | 12.8            | 0.0                          | 0.0                        | 4.3              | 490.0                   | 492.4                 | 476.6          | 468.5              | .                               | .                             | 478.8               |
| Russian Federation 6hr+ | 163    | 160     | 47.5                 | 28.1               | 19.2        | 5.2             | 0.0                          | 0.0                        | 3.3              | 540.1                   | 552.7                 | 506.8          | 560.2              | .                               | .                             | 592.1               |
| Slovenia                | 69     | 65      | 37.0                 | 50.8               | 9.5         | 2.7             | 4.0                          | 0.0                        | 0.0              | 459.3                   | 465.9                 | 441.4          | 419.8              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 44.2                 | 37.9               | 15.8        | 2.1             | 0.9                          | 0.0                        | 1.0              | 432.2                   | 431.4                 | 429.8          | 428.9              | 445.3                           | .                             | 380.6               |
| United States           | 241    | 202     | 61.6                 | 29.4               | 8.0         | 0.9             | 12.5                         | 0.0                        | 1.6              | 490.8                   | 481.4                 | 472.5          | 480.8              | 474.8                           | .                             | 482.9               |
| International Avg (n=9) | 1657   | 1513    | 36.8                 | 37.1               | 19.4        | 6.7             | 6.0                          | 0.0                        | 2.8              | 473.6                   | 469.1                 | 461.3          | 457.5              | 461.1                           | .                             | 476.0               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. Resources for Advanced Mathematics Instruction. Teachers with a specialization in advanced mathematics

Location: ScQ-09Ba (MCBG09BA)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 88.0                 | 10.5               | 1.6         | 0.0             | 7.7                          | 0.0                        | 0.6              | 463.5                   | 442.0                 | 446.0          | .                  | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 107     | 40.1                 | 45.2               | 11.8        | 2.9             | 4.0                          | 0.0                        | 0.9              | 429.1                   | 424.8                 | 416.1          | 278.3              | 440.6                           | .                             | 416.5               |
| Lebanon                 | 251    | 233     | 47.3                 | 13.5               | 20.3        | 19.0            | 0.0                          | 0.0                        | 6.8              | 538.5                   | 536.9                 | 515.6          | 528.6              | .                               | .                             | 533.1               |
| Norway                  | 133    | 108     | 77.4                 | 15.4               | 6.7         | 0.4             | 21.3                         | 0.0                        | 0.6              | 464.1                   | 451.6                 | 461.8          | 475.1              | 448.7                           | .                             | 461.2               |
| Portugal                | 221    | 213     | 68.0                 | 17.7               | 8.1         | 6.2             | 3.3                          | 0.0                        | 0.7              | 486.4                   | 476.8                 | 464.5          | 477.4              | 480.1                           | .                             | 475.8               |
| Russian Federation      | 346    | 337     | 37.1                 | 19.3               | 20.4        | 23.3            | 0.0                          | 0.0                        | 3.5              | 503.6                   | 472.1                 | 472.8          | 478.5              | .                               | .                             | 463.9               |
| Russian Federation 6hr+ | 163    | 160     | 37.6                 | 21.1               | 15.6        | 25.7            | 0.0                          | 0.0                        | 2.5              | 543.6                   | 537.2                 | 511.4          | 548.0              | .                               | .                             | 606.4               |
| Slovenia                | 69     | 65      | 90.0                 | 9.2                | 0.0         | 0.8             | 4.0                          | 0.0                        | 0.0              | 461.1                   | 455.4                 | .              | 375.6              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 76.3                 | 13.3               | 4.4         | 6.0             | 0.9                          | 0.0                        | 1.0              | 433.5                   | 430.7                 | 401.6          | 429.0              | 445.3                           | .                             | 380.6               |
| United States           | 241    | 200     | 62.5                 | 26.2               | 8.1         | 3.1             | 12.5                         | 0.0                        | 2.8              | 494.0                   | 478.5                 | 483.1          | 416.0              | 474.8                           | .                             | 481.8               |
| International Avg (n=9) | 1657   | 1531    | 65.2                 | 18.9               | 9.0         | 6.8             | 6.0                          | 0.0                        | 1.9              | 474.9                   | 463.2                 | 457.7          | 432.3              | 461.1                           | .                             | 462.9               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. Resources for Advanced Mathematics Instruction. Computer software/applications for advanced mathematics instruction

Location: ScQ-09Bb (MCBG09BB)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 70.4                 | 24.1               | 5.5         | 0.0             | 7.7                          | 0.0                        | 0.6              | 463.1                   | 461.9                 | 429.5          | .                  | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 106     | 20.8                 | 38.7               | 36.3        | 4.3             | 4.0                          | 0.0                        | 1.8              | 429.9                   | 436.0                 | 406.8          | 348.3              | 440.6                           | .                             | 462.7               |
| Lebanon                 | 251    | 230     | 24.2                 | 32.9               | 29.7        | 13.3            | 0.0                          | 0.0                        | 8.4              | 540.8                   | 539.2                 | 524.7          | 510.6              | .                               | .                             | 536.0               |
| Norway                  | 133    | 108     | 77.0                 | 22.4               | 0.6         | 0.0             | 21.3                         | 0.0                        | 0.6              | 465.0                   | 452.5                 | 441.7          | .                  | 448.7                           | .                             | 461.2               |
| Portugal                | 221    | 213     | 23.8                 | 41.8               | 31.2        | 3.3             | 3.3                          | 0.0                        | 0.7              | 484.8                   | 480.2                 | 483.0          | 486.4              | 480.1                           | .                             | 475.8               |
| Russian Federation      | 346    | 339     | 20.5                 | 27.5               | 39.2        | 12.7            | 0.0                          | 0.0                        | 3.0              | 519.5                   | 510.1                 | 459.3          | 454.3              | .                               | .                             | 473.8               |
| Russian Federation 6hr+ | 163    | 161     | 25.5                 | 36.8               | 27.6        | 10.1            | 0.0                          | 0.0                        | 2.3              | 564.0                   | 553.9                 | 497.1          | 529.8              | .                               | .                             | 611.8               |
| Slovenia                | 69     | 65      | 59.6                 | 31.2               | 6.2         | 3.0             | 4.0                          | 0.0                        | 0.0              | 461.8                   | 459.8                 | 460.1          | 421.4              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 135     | 50.5                 | 35.4               | 12.9        | 1.1             | 0.9                          | 0.0                        | 1.4              | 433.4                   | 433.5                 | 417.3          | 418.0              | 445.3                           | .                             | 416.5               |
| United States           | 241    | 200     | 48.7                 | 36.8               | 11.1        | 3.4             | 12.5                         | 0.0                        | 2.8              | 492.0                   | 486.6                 | 482.9          | 420.5              | 474.8                           | .                             | 481.8               |
| International Avg (n=9) | 1657   | 1528    | 43.9                 | 32.3               | 19.2        | 4.6             | 6.0                          | 0.0                        | 2.2              | 476.7                   | 473.3                 | 456.1          | 437.1              | 461.1                           | .                             | 474.7               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. Resources for Advanced Mathematics Instruction. Library resources relevant to advanced mathematics instruction

Location: ScQ-09Bc (MCBG09BC)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 77.3                 | 19.7               | 3.0         | 0.0             | 7.7                          | 0.0                        | 0.6              | 462.7                   | 460.6                 | 418.9          | .                  | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 105     | 20.5                 | 43.5               | 27.1        | 9.0             | 4.0                          | 0.0                        | 2.7              | 438.2                   | 433.9                 | 389.7          | 416.1              | 440.6                           | .                             | 418.9               |
| Lebanon                 | 251    | 230     | 29.5                 | 25.5               | 28.8        | 16.1            | 0.0                          | 0.0                        | 7.7              | 538.3                   | 528.3                 | 530.9          | 525.6              | .                               | .                             | 535.6               |
| Norway                  | 133    | 108     | 70.8                 | 21.6               | 7.6         | 0.0             | 21.3                         | 0.0                        | 0.6              | 464.2                   | 463.9                 | 436.7          | .                  | 448.7                           | .                             | 461.2               |
| Portugal                | 221    | 212     | 33.5                 | 47.1               | 17.5        | 1.8             | 3.3                          | 0.0                        | 1.0              | 489.3                   | 477.4                 | 482.8          | 476.7              | 480.1                           | .                             | 480.2               |
| Russian Federation      | 346    | 338     | 30.6                 | 26.9               | 34.6        | 7.9             | 0.0                          | 0.0                        | 3.3              | 502.5                   | 502.4                 | 464.6          | 438.6              | .                               | .                             | 494.2               |
| Russian Federation 6hr+ | 163    | 161     | 38.9                 | 30.5               | 25.1        | 5.6             | 0.0                          | 0.0                        | 2.3              | 552.0                   | 545.5                 | 507.4          | 543.7              | .                               | .                             | 611.8               |
| Slovenia                | 69     | 65      | 75.4                 | 21.6               | 0.0         | 3.0             | 4.0                          | 0.0                        | 0.0              | 461.8                   | 458.7                 | .              | 421.4              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 135     | 68.6                 | 20.9               | 7.5         | 3.0             | 0.9                          | 0.0                        | 1.4              | 437.3                   | 421.9                 | 417.3          | 390.6              | 445.3                           | .                             | 416.5               |
| United States           | 241    | 200     | 47.8                 | 34.8               | 13.7        | 3.7             | 12.5                         | 0.0                        | 2.8              | 499.9                   | 478.7                 | 475.1          | 430.8              | 474.8                           | .                             | 481.8               |
| International Avg (n=9) | 1657   | 1525    | 50.5                 | 29.1               | 15.5        | 4.9             | 6.0                          | 0.0                        | 2.2              | 477.1                   | 469.5                 | 452.0          | 442.8              | 461.1                           | .                             | 472.3               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. Resources for Advanced Mathematics Instruction. Calculators for advanced mathematics instruction

Location: ScQ-09Bd (MCBG09BD)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 88.6                 | 10.6               | 0.8         | 0.0             | 7.7                          | 0.0                        | 0.6              | 462.7                   | 454.8                 | 356.6          | .                  | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 104     | 44.0                 | 39.4               | 12.5        | 4.0             | 4.0                          | 0.0                        | 3.7              | 443.8                   | 404.4                 | 395.2          | 436.9              | 440.6                           | .                             | 402.7               |
| Lebanon                 | 251    | 220     | 45.7                 | 19.5               | 17.9        | 16.9            | 0.0                          | 0.0                        | 12.5             | 536.8                   | 549.3                 | 517.3          | 511.8              | .                               | .                             | 534.4               |
| Norway                  | 133    | 108     | 88.3                 | 11.1               | 0.0         | 0.6             | 21.3                         | 0.0                        | 0.6              | 464.7                   | 442.1                 | .              | 441.7              | 448.7                           | .                             | 461.2               |
| Portugal                | 221    | 213     | 50.0                 | 29.9               | 15.3        | 4.8             | 3.3                          | 0.0                        | 0.4              | 484.8                   | 489.2                 | 461.7          | 479.7              | 480.1                           | .                             | 488.5               |
| Russian Federation      | 346    | 337     | 62.1                 | 24.1               | 11.4        | 2.5             | 0.0                          | 0.0                        | 4.0              | 487.1                   | 475.1                 | 506.1          | 417.5              | .                               | .                             | 484.0               |
| Russian Federation 6hr+ | 163    | 160     | 67.6                 | 21.0               | 9.2         | 2.1             | 0.0                          | 0.0                        | 3.0              | 541.4                   | 551.4                 | 508.2          | 466.6              | .                               | .                             | 582.0               |
| Slovenia                | 69     | 65      | 87.6                 | 9.4                | 0.0         | 3.0             | 4.0                          | 0.0                        | 0.0              | 463.8                   | 435.6                 | .              | 421.4              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 135     | 83.5                 | 10.7               | 1.8         | 4.0             | 0.9                          | 0.0                        | 1.4              | 437.8                   | 394.2                 | 412.0          | 400.6              | 445.3                           | .                             | 416.5               |
| United States           | 241    | 200     | 75.0                 | 12.9               | 7.9         | 4.1             | 12.5                         | 0.0                        | 2.8              | 491.7                   | 479.9                 | 454.1          | 477.5              | 474.8                           | .                             | 481.8               |
| International Avg (n=9) | 1657   | 1514    | 69.4                 | 18.6               | 7.5         | 4.4             | 6.0                          | 0.0                        | 2.9              | 474.8                   | 458.3                 | 443.3          | 448.4              | 461.1                           | .                             | 469.9               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. Resources for Physics  
Instruction. Teachers with a specialization in physics

Location: ScQ-09Ca (MCBG09CA)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 90.9                 | 8.6                | 0.0         | 0.5             | 7.7                          | 0.0                        | 0.6              | 461.9                   | 451.7                 | .              | 453.0              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 104     | 36.4                 | 42.5               | 14.8        | 6.3             | 4.0                          | 0.0                        | 3.4              | 420.7                   | 425.5                 | 445.5          | 351.6              | 440.6                           | .                             | 398.4               |
| Lebanon                 | 251    | 230     | 48.9                 | 11.5               | 18.3        | 21.3            | 0.0                          | 0.0                        | 8.0              | 542.4                   | 532.2                 | 510.7          | 523.0              | .                               | .                             | 538.4               |
| Norway                  | 133    | 107     | 83.5                 | 14.4               | 1.7         | 0.4             | 21.3                         | 0.0                        | 0.8              | 464.4                   | 444.2                 | 498.7          | 475.1              | 448.7                           | .                             | 454.2               |
| Portugal                | 221    | 194     | 68.8                 | 17.7               | 9.1         | 4.5             | 3.3                          | 0.0                        | 7.8              | 485.5                   | 482.2                 | 458.7          | 490.3              | 480.1                           | .                             | 477.7               |
| Russian Federation      | 346    | 312     | 36.6                 | 16.6               | 19.6        | 27.2            | 0.0                          | 0.0                        | 9.5              | 493.6                   | 485.1                 | 480.8          | 477.5              | .                               | .                             | 478.5               |
| Russian Federation 6hr+ | 163    | 149     | 36.9                 | 20.0               | 15.1        | 28.0            | 0.0                          | 0.0                        | 7.9              | 539.8                   | 541.2                 | 520.1          | 554.8              | .                               | .                             | 525.5               |
| Slovenia                | 69     | 65      | 82.9                 | 12.2               | 2.7         | 2.2             | 4.0                          | 0.0                        | 0.0              | 460.9                   | 476.0                 | 439.4          | 359.7              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 135     | 85.2                 | 6.9                | 1.0         | 6.9             | 0.9                          | 0.0                        | 1.7              | 433.6                   | 414.6                 | 441.0          | 419.2              | 445.3                           | .                             | 406.5               |
| United States           | 241    | 200     | 58.2                 | 26.1               | 10.3        | 5.4             | 12.5                         | 0.0                        | 2.8              | 490.0                   | 488.7                 | 489.3          | 434.9              | 474.8                           | .                             | 481.8               |
| International Avg (n=9) | 1657   | 1479    | 65.7                 | 17.4               | 8.6         | 8.3             | 6.0                          | 0.0                        | 3.8              | 472.6                   | 466.7                 | 470.5          | 442.7              | 461.1                           | .                             | 465.7               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. Resources for Physics  
Instruction. Computer software/applications for physics instruction

Location: ScQ-09Cb (MCBG09CB)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 69.4                 | 25.4               | 4.7         | 0.5             | 7.7                          | 0.0                        | 0.6              | 463.0                   | 462.0                 | 426.1          | 453.0              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 104     | 18.7                 | 39.0               | 37.5        | 4.8             | 4.0                          | 0.0                        | 3.2              | 414.7                   | 439.0                 | 399.6          | 481.3              | 440.6                           | .                             | 405.6               |
| Lebanon                 | 251    | 229     | 30.3                 | 31.6               | 23.3        | 14.8            | 0.0                          | 0.0                        | 8.7              | 543.6                   | 536.3                 | 513.2          | 523.4              | .                               | .                             | 538.4               |
| Norway                  | 133    | 107     | 64.8                 | 30.8               | 4.5         | 0.0             | 21.3                         | 0.0                        | 0.8              | 466.8                   | 455.3                 | 441.5          | .                  | 448.7                           | .                             | 454.2               |
| Portugal                | 221    | 193     | 21.3                 | 44.1               | 31.3        | 3.4             | 3.3                          | 0.0                        | 8.2              | 479.8                   | 483.9                 | 481.0          | 500.6              | 480.1                           | .                             | 478.4               |
| Russian Federation      | 346    | 314     | 20.4                 | 28.7               | 36.2        | 14.7            | 0.0                          | 0.0                        | 9.3              | 513.9                   | 517.7                 | 459.4          | 446.1              | .                               | .                             | 478.2               |
| Russian Federation 6hr+ | 163    | 151     | 30.2                 | 36.4               | 22.8        | 10.5            | 0.0                          | 0.0                        | 7.0              | 550.4                   | 558.0                 | 508.6          | 524.3              | .                               | .                             | 529.6               |
| Slovenia                | 69     | 65      | 64.2                 | 25.6               | 5.7         | 4.4             | 4.0                          | 0.0                        | 0.0              | 457.2                   | 475.9                 | 466.4          | 398.7              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 133     | 47.7                 | 39.3               | 11.9        | 1.1             | 0.9                          | 0.0                        | 3.9              | 433.1                   | 434.2                 | 401.5          | 418.0              | 445.3                           | .                             | 464.1               |
| United States           | 241    | 200     | 48.8                 | 34.3               | 13.0        | 3.9             | 12.5                         | 0.0                        | 2.8              | 493.2                   | 486.5                 | 481.6          | 421.3              | 474.8                           | .                             | 481.8               |
| International Avg (n=9) | 1657   | 1477    | 42.8                 | 33.2               | 18.7        | 5.3             | 6.0                          | 0.0                        | 4.2              | 473.9                   | 476.8                 | 452.3          | 455.3              | 461.1                           | .                             | 473.8               |



Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. Resources for Physics  
 Instruction. Library resources relevant to physics instruction  
 Location: ScQ-09Cc (MCBG09CC)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 76.5                 | 19.9               | 2.4         | 1.2             | 7.7                          | 0.0                        | 0.6              | 463.6                   | 457.1                 | 417.1          | 442.4              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 103     | 20.9                 | 41.9               | 31.3        | 5.9             | 4.0                          | 0.0                        | 4.0              | 426.6                   | 437.7                 | 399.9          | 421.5              | 440.6                           | .                             | 388.8               |
| Lebanon                 | 251    | 229     | 31.0                 | 28.2               | 27.4        | 13.4            | 0.0                          | 0.0                        | 8.6              | 540.3                   | 532.7                 | 523.8          | 521.7              | .                               | .                             | 539.4               |
| Norway                  | 133    | 107     | 75.8                 | 19.8               | 3.5         | 0.9             | 21.3                         | 0.0                        | 0.8              | 464.3                   | 462.6                 | 424.5          | 415.7              | 448.7                           | .                             | 454.2               |
| Portugal                | 221    | 192     | 31.6                 | 46.3               | 19.2        | 2.9             | 3.3                          | 0.0                        | 8.4              | 489.0                   | 478.6                 | 481.5          | 492.4              | 480.1                           | .                             | 477.0               |
| Russian Federation      | 346    | 312     | 29.8                 | 30.4               | 30.8        | 9.0             | 0.0                          | 0.0                        | 9.8              | 508.7                   | 493.1                 | 472.9          | 428.6              | .                               | .                             | 474.8               |
| Russian Federation 6hr+ | 163    | 150     | 41.2                 | 30.7               | 22.0        | 6.1             | 0.0                          | 0.0                        | 7.6              | 558.1                   | 544.6                 | 507.3          | 533.7              | .                               | .                             | 525.3               |
| Slovenia                | 69     | 65      | 77.4                 | 18.2               | 0.0         | 4.4             | 4.0                          | 0.0                        | 0.0              | 461.8                   | 466.6                 | .              | 398.7              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 135     | 61.8                 | 24.2               | 11.7        | 2.2             | 0.9                          | 0.0                        | 1.4              | 437.1                   | 420.4                 | 424.1          | 419.8              | 445.3                           | .                             | 416.5               |
| United States           | 241    | 200     | 46.5                 | 35.6               | 14.6        | 3.3             | 12.5                         | 0.0                        | 2.8              | 501.5                   | 477.2                 | 473.0          | 437.0              | 474.8                           | .                             | 481.8               |
| International Avg (n=9) | 1657   | 1475    | 50.1                 | 29.4               | 15.7        | 4.8             | 6.0                          | 0.0                        | 4.0              | 477.0                   | 469.6                 | 452.1          | 442.0              | 461.1                           | .                             | 465.3               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. Resources for Physics  
Instruction. Calculators for physics instruction

Location: ScQ-09Cd (MCBG09CD)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 85.4                 | 12.4               | 1.7         | 0.5             | 7.7                          | 0.0                        | 0.6              | 463.1                   | 454.3                 | 406.7          | 453.0              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 103     | 41.2                 | 39.2               | 16.3        | 3.3             | 4.0                          | 0.0                        | 4.0              | 431.7                   | 411.7                 | 415.3          | 473.0              | 440.6                           | .                             | 388.8               |
| Lebanon                 | 251    | 227     | 49.9                 | 13.2               | 22.2        | 14.7            | 0.0                          | 0.0                        | 9.8              | 537.7                   | 537.5                 | 524.3          | 512.6              | .                               | .                             | 539.9               |
| Norway                  | 133    | 107     | 91.1                 | 7.1                | 1.2         | 0.6             | 21.3                         | 0.0                        | 0.8              | 464.8                   | 437.1                 | 421.3          | 441.7              | 448.7                           | .                             | 454.2               |
| Portugal                | 221    | 194     | 47.6                 | 35.9               | 13.0        | 3.5             | 3.3                          | 0.0                        | 7.5              | 483.8                   | 485.1                 | 473.4          | 475.4              | 480.1                           | .                             | 478.6               |
| Russian Federation      | 346    | 313     | 50.5                 | 30.8               | 15.2        | 3.5             | 0.0                          | 0.0                        | 9.4              | 493.2                   | 469.4                 | 505.1          | 427.0              | .                               | .                             | 478.2               |
| Russian Federation 6hr+ | 163    | 150     | 58.4                 | 24.3               | 14.5        | 2.7             | 0.0                          | 0.0                        | 7.6              | 556.6                   | 539.0                 | 495.4          | 477.9              | .                               | .                             | 525.3               |
| Slovenia                | 69     | 65      | 81.2                 | 14.0               | 0.5         | 4.4             | 4.0                          | 0.0                        | 0.0              | 462.7                   | 465.6                 | 381.4          | 398.7              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 135     | 84.2                 | 7.8                | 5.8         | 2.2             | 0.9                          | 0.0                        | 1.4              | 436.3                   | 398.0                 | 418.4          | 384.7              | 445.3                           | .                             | 416.5               |
| United States           | 241    | 200     | 74.8                 | 13.6               | 5.7         | 5.9             | 12.5                         | 0.0                        | 2.8              | 491.3                   | 480.4                 | 471.4          | 455.9              | 474.8                           | .                             | 481.8               |
| International Avg (n=9) | 1657   | 1476    | 67.3                 | 19.3               | 9.1         | 4.3             | 6.0                          | 0.0                        | 4.0              | 473.8                   | 459.9                 | 446.4          | 446.9              | 461.1                           | .                             | 466.0               |

Question: How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following. Resources for Physics Instruction. Calculators for physics instruction. Physics equipment and materials for experiments

Location: ScQ-09Ce (MCBG09CE)

| Country                 | Sample | Valid N | 1.Not<br>at all<br>% | 2.A<br>little<br>% | 3.Some<br>% | 4.A<br>lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>at all<br>Mean | 2.A<br>little<br>Mean | 3.Some<br>Mean | 4.A<br>lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------|--------------------|-------------|-----------------|------------------------------|----------------------------|------------------|-------------------------|-----------------------|----------------|--------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 66.6                 | 23.7               | 8.4         | 1.3             | 7.7                          | 0.0                        | 0.6              | 463.0                   | 449.6                 | 479.4          | 446.0              | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 104     | 20.1                 | 42.0               | 31.9        | 6.1             | 4.0                          | 0.0                        | 3.2              | 394.2                   | 438.1                 | 419.6          | 410.5              | 440.6                           | .                             | 405.6               |
| Lebanon                 | 251    | 230     | 28.3                 | 27.3               | 30.6        | 13.8            | 0.0                          | 0.0                        | 8.3              | 541.2                   | 533.9                 | 522.5          | 526.0              | .                               | .                             | 537.2               |
| Norway                  | 133    | 107     | 51.9                 | 42.3               | 5.3         | 0.6             | 21.3                         | 0.0                        | 0.8              | 469.7                   | 452.7                 | 466.0          | 441.7              | 448.7                           | .                             | 454.2               |
| Portugal                | 221    | 194     | 29.9                 | 38.3               | 26.6        | 5.2             | 3.3                          | 0.0                        | 7.5              | 487.6                   | 485.8                 | 473.1          | 479.9              | 480.1                           | .                             | 478.6               |
| Russian Federation      | 346    | 310     | 26.2                 | 18.7               | 30.4        | 24.7            | 0.0                          | 0.0                        | 10.4             | 507.2                   | 483.5                 | 478.5          | 475.4              | .                               | .                             | 471.6               |
| Russian Federation 6hr+ | 163    | 149     | 36.6                 | 20.4               | 28.6        | 14.4            | 0.0                          | 0.0                        | 7.8              | 550.6                   | 513.0                 | 546.5          | 550.2              | .                               | .                             | 520.7               |
| Slovenia                | 69     | 65      | 51.6                 | 43.6               | 0.0         | 4.8             | 4.0                          | 0.0                        | 0.0              | 459.4                   | 467.1                 | .              | 399.1              | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 135     | 55.4                 | 26.5               | 11.5        | 6.6             | 0.9                          | 0.0                        | 1.4              | 440.8                   | 418.9                 | 426.1          | 408.6              | 445.3                           | .                             | 416.5               |
| United States           | 241    | 200     | 48.4                 | 34.2               | 12.8        | 4.6             | 12.5                         | 0.0                        | 2.8              | 489.9                   | 491.0                 | 487.1          | 417.2              | 474.8                           | .                             | 481.8               |
| International Avg (n=9) | 1657   | 1477    | 42.0                 | 32.9               | 17.5        | 7.5             | 6.0                          | 0.0                        | 3.9              | 472.6                   | 469.0                 | 469.0          | 444.9              | 461.1                           | .                             | 467.0               |

Question: How much do you agree with these statements about advanced mathematics and physics education within your school. The school encourages students to study advanced mathematics and physics

Location: ScQ-i0a (MCBG10A)

| Country                 | Sample | Valid N | 1.Agree a lot % | 2.Agree a little % | 3.Disagree a little % | 4.Disagree a lot % | Not Administered % | Not Applicable % | Omitted % | 1.Agree a lot Mean | 2.Agree a little Mean | 3.Disagree a little Mean | 4.Disagree a lot Mean | Not Administered Mean | Not Applicable Mean | Omitted Mean |
|-------------------------|--------|---------|-----------------|--------------------|-----------------------|--------------------|--------------------|------------------|-----------|--------------------|-----------------------|--------------------------|-----------------------|-----------------------|---------------------|--------------|
| France                  | 144    | 132     | 29.8            | 41.6               | 24.4                  | 4.2                | 7.7                | 0.0              | 0.6       | 461.7              | 458.3                 | 461.9                    | 475.7                 | 480.9                 | .                   | 490.1        |
| Italy                   | 113    | 108     | 48.9            | 43.8               | 7.3                   | 0.0                | 4.0                | 0.0              | 0.0       | 429.7              | 409.7                 | 432.3                    | .                     | 440.6                 | .                   | .            |
| Lebanon                 | 251    | 248     | 73.8            | 24.8               | 1.0                   | 0.4                | 0.0                | 0.0              | 2.3       | 533.2              | 529.7                 | 509.0                    | 498.0                 | .                     | .                   | 526.8        |
| Norway                  | 133    | 109     | 69.0            | 29.5               | 1.6                   | 0.0                | 21.3               | 0.0              | 0.4       | 467.0              | 451.1                 | 445.4                    | .                     | 448.7                 | .                   | 474.7        |
| Portugal                | 221    | 213     | 80.3            | 18.0               | 1.7                   | 0.0                | 3.3                | 0.0              | 0.4       | 480.4              | 491.9                 | 483.3                    | .                     | 480.1                 | .                   | 445.0        |
| Russian Federation      | 346    | 345     | 85.4            | 14.6               | 0.0                   | 0.0                | 0.0                | 0.0              | 0.4       | 487.9              | 468.1                 | .                        | .                     | .                     | .                   | 392.6        |
| Russian Federation 6hr+ | 163    | 163     | 93.6            | 6.4                | 0.0                   | 0.0                | 0.0                | 0.0              | 0.0       | 541.5              | 520.1                 | .                        | .                     | .                     | .                   | .            |
| Slovenia                | 69     | 65      | 38.3            | 55.5               | 5.4                   | 0.8                | 4.0                | 0.0              | 0.0       | 484.9              | 449.6                 | 401.4                    | 375.6                 | 457.3                 | .                   | .            |
| Sweden                  | 139    | 137     | 63.6            | 35.0               | 1.4                   | 0.0                | 0.9                | 0.0              | 0.9       | 433.6              | 428.2                 | 371.3                    | .                     | 445.3                 | .                   | 443.0        |
| United States           | 241    | 200     | 84.5            | 14.5               | 1.0                   | 0.0                | 12.5               | 0.0              | 3.1       | 489.3              | 466.6                 | 514.6                    | .                     | 474.8                 | .                   | 489.6        |
| International Avg (n=9) | 1657   | 1557    | 63.7            | 30.8               | 4.9                   | 0.6                | 6.0                | 0.0              | 0.9       | 474.2              | 461.5                 | 452.4                    | 449.8                 | 461.1                 | .                   | 466.0        |

Question: How much do you agree with these statements about advanced mathematics and physics education within your school. The school promotes professional development for teachers of advanced mathematics and physics

Location: ScQ-i0b (MCBG10B)

| Country                 | Sample | Valid N | 1.Agree a lot % | 2.Agree a little % | 3.Disagree a little % | 4.Disagree a lot % | Not Administered % | Not Applicable % | Omitted % | 1.Agree a lot Mean | 2.Agree a little Mean | 3.Disagree a little Mean | 4.Disagree a lot Mean | Not Administered Mean | Not Applicable Mean | Omitted Mean |
|-------------------------|--------|---------|-----------------|--------------------|-----------------------|--------------------|--------------------|------------------|-----------|--------------------|-----------------------|--------------------------|-----------------------|-----------------------|---------------------|--------------|
| France                  | 144    | 132     | 34.0            | 54.3               | 9.1                   | 2.5                | 7.7                | 0.0              | 0.6       | 464.5              | 455.8                 | 467.6                    | 501.2                 | 480.9                 | .                   | 490.1        |
| Italy                   | 113    | 108     | 26.3            | 47.4               | 19.7                  | 6.7                | 4.0                | 0.0              | 0.0       | 425.5              | 418.8                 | 437.2                    | 373.3                 | 440.6                 | .                   | .            |
| Lebanon                 | 251    | 248     | 70.2            | 26.5               | 2.0                   | 1.3                | 0.0                | 0.0              | 2.3       | 536.0              | 522.2                 | 536.1                    | 507.0                 | .                     | .                   | 526.8        |
| Norway                  | 133    | 109     | 53.7            | 45.0               | 1.4                   | 0.0                | 21.3               | 0.0              | 0.4       | 470.0              | 453.0                 | 441.7                    | .                     | 448.7                 | .                   | 474.7        |
| Portugal                | 221    | 209     | 51.1            | 42.7               | 6.2                   | 0.0                | 3.3                | 0.0              | 1.9       | 483.8              | 482.5                 | 487.6                    | .                     | 480.1                 | .                   | 424.8        |
| Russian Federation      | 346    | 345     | 89.2            | 10.7               | 0.1                   | 0.0                | 0.0                | 0.0              | 0.4       | 485.0              | 484.5                 | 550.3                    | .                     | .                     | .                   | 392.6        |
| Russian Federation 6hr+ | 163    | 163     | 89.2            | 10.3               | 0.4                   | 0.0                | 0.0                | 0.0              | 0.0       | 540.2              | 538.7                 | 550.3                    | .                     | .                     | .                   | .            |
| Slovenia                | 69     | 65      | 51.7            | 48.3               | 0.0                   | 0.0                | 4.0                | 0.0              | 0.0       | 471.9              | 447.0                 | .                        | .                     | 457.3                 | .                   | .            |
| Sweden                  | 139    | 138     | 25.4            | 58.1               | 15.3                  | 1.2                | 0.9                | 0.0              | 0.0       | 439.2              | 433.2                 | 410.8                    | 402.2                 | 445.3                 | .                   | .            |
| United States           | 241    | 200     | 57.1            | 36.1               | 6.7                   | 0.2                | 12.5               | 0.0              | 3.1       | 496.3              | 469.8                 | 494.1                    | 380.9                 | 474.8                 | .                   | 489.6        |
| International Avg (n=9) | 1657   | 1554    | 51.0            | 41.0               | 6.7                   | 1.3                | 6.0                | 0.0              | 1.0       | 474.7              | 463.0                 | 478.2                    | 432.9                 | 461.1                 | .                   | 466.4        |

Question: How much do you agree with these statements about advanced mathematics and physics education within your school. The school provides students with information about career options in advanced mathematics and physics

Location: ScQ-i0c (MCBG10C)

| Country                 | Sample | Valid N | 1.Agree a lot % | 2.Agree a little % | 3.Disagree a little % | 4.Disagree a lot % | Not Administered % | Not Applicable % | Omitted % | 1.Agree a lot Mean | 2.Agree a little Mean | 3.Disagree a little Mean | 4.Disagree a lot Mean | Not Administered Mean | Not Applicable Mean | Omitted Mean |
|-------------------------|--------|---------|-----------------|--------------------|-----------------------|--------------------|--------------------|------------------|-----------|--------------------|-----------------------|--------------------------|-----------------------|-----------------------|---------------------|--------------|
| France                  | 144    | 132     | 61.9            | 35.7               | 2.4                   | 0.0                | 7.7                | 0.0              | 0.6       | 463.8              | 456.2                 | 458.0                    | .                     | 480.9                 | .                   | 490.1        |
| Italy                   | 113    | 108     | 44.2            | 43.6               | 8.7                   | 3.4                | 4.0                | 0.0              | 0.0       | 418.7              | 432.9                 | 370.6                    | 432.6                 | 440.6                 | .                   | .            |
| Lebanon                 | 251    | 247     | 54.0            | 41.7               | 2.9                   | 1.4                | 0.0                | 0.0              | 2.5       | 542.0              | 520.7                 | 522.9                    | 502.5                 | .                     | .                   | 526.8        |
| Norway                  | 133    | 109     | 82.3            | 14.3               | 3.5                   | 0.0                | 21.3               | 0.0              | 0.4       | 465.9              | 450.2                 | 418.5                    | .                     | 448.7                 | .                   | 474.7        |
| Portugal                | 221    | 212     | 69.4            | 25.9               | 4.2                   | 0.5                | 3.3                | 0.0              | 1.2       | 485.8              | 480.0                 | 469.2                    | 438.0                 | 480.1                 | .                   | 405.6        |
| Russian Federation      | 346    | 345     | 85.6            | 14.1               | 0.3                   | 0.0                | 0.0                | 0.0              | 0.4       | 489.2              | 457.9                 | 551.8                    | .                     | .                     | .                   | 392.6        |
| Russian Federation 6hr+ | 163    | 163     | 88.0            | 10.5               | 1.5                   | 0.0                | 0.0                | 0.0              | 0.0       | 540.0              | 540.9                 | 541.2                    | .                     | .                     | .                   | .            |
| Slovenia                | 69     | 65      | 36.6            | 61.2               | 2.2                   | 0.0                | 4.0                | 0.0              | 0.0       | 472.3              | 454.0                 | 417.2                    | .                     | 457.3                 | .                   | .            |
| Sweden                  | 139    | 136     | 28.4            | 56.5               | 12.8                  | 2.3                | 0.9                | 0.0              | 1.3       | 431.1              | 430.8                 | 434.3                    | 404.3                 | 445.3                 | .                   | 447.6        |
| United States           | 241    | 199     | 45.8            | 48.8               | 5.3                   | 0.1                | 12.5               | 0.0              | 3.3       | 494.7              | 481.6                 | 461.9                    | 444.8                 | 474.8                 | .                   | 484.5        |
| International Avg (n=9) | 1657   | 1553    | 56.5            | 38.0               | 4.7                   | 0.9                | 6.0                | 0.0              | 1.1       | 473.7              | 462.7                 | 456.0                    | 444.4                 | 461.1                 | .                   | 460.3        |

Question: How much do you agree with these statements about advanced mathematics and physics education within your school. The school has initiatives to promote student interest in advanced mathematics and physics (e.g., student clubs, competitions)

Location: ScQ-i0d (MCBG10D)

| Country                 | Sample | Valid N | 1.Agree a lot % | 2.Agree a little % | 3.Disagree a little % | 4.Disagree a lot % | Not Administered % | Not Applicable % | Omitted % | 1.Agree a lot Mean | 2.Agree a little Mean | 3.Disagree a little Mean | 4.Disagree a lot Mean | Not Administered Mean | Not Applicable Mean | Omitted Mean |
|-------------------------|--------|---------|-----------------|--------------------|-----------------------|--------------------|--------------------|------------------|-----------|--------------------|-----------------------|--------------------------|-----------------------|-----------------------|---------------------|--------------|
| France                  | 144    | 132     | 40.7            | 52.6               | 6.3                   | 0.4                | 7.7                | 0.0              | 0.6       | 469.4              | 455.5                 | 452.7                    | 439.6                 | 480.9                 | .                   | 490.1        |
| Italy                   | 113    | 107     | 71.9            | 24.0               | 3.3                   | 0.9                | 4.0                | 0.0              | 0.8       | 429.4              | 402.8                 | 340.3                    | 515.9                 | 440.6                 | .                   | 460.4        |
| Lebanon                 | 251    | 244     | 38.8            | 44.2               | 13.2                  | 3.7                | 0.0                | 0.0              | 3.5       | 539.0              | 529.3                 | 522.7                    | 510.5                 | .                     | .                   | 543.4        |
| Norway                  | 133    | 109     | 51.9            | 39.6               | 7.6                   | 0.9                | 21.3               | 0.0              | 0.4       | 471.6              | 453.0                 | 442.2                    | 470.1                 | 448.7                 | .                   | 474.7        |
| Portugal                | 221    | 212     | 63.9            | 28.8               | 7.1                   | 0.2                | 3.3                | 0.0              | 1.2       | 483.7              | 482.6                 | 482.8                    | 477.8                 | 480.1                 | .                   | 405.6        |
| Russian Federation      | 346    | 345     | 82.5            | 16.0               | 1.0                   | 0.5                | 0.0                | 0.0              | 0.4       | 489.6              | 474.1                 | 352.9                    | 343.7                 | .                     | .                   | 392.6        |
| Russian Federation 6hr+ | 163    | 163     | 89.7            | 10.3               | 0.0                   | 0.0                | 0.0                | 0.0              | 0.0       | 545.9              | 489.6                 | .                        | .                     | .                     | .                   | .            |
| Slovenia                | 69     | 65      | 63.1            | 36.2               | 0.8                   | 0.0                | 4.0                | 0.0              | 0.0       | 467.4              | 449.0                 | 353.3                    | .                     | 457.3                 | .                   | .            |
| Sweden                  | 139    | 138     | 29.8            | 47.3               | 20.6                  | 2.3                | 0.9                | 0.0              | 0.0       | 445.6              | 431.9                 | 407.1                    | 435.4                 | 445.3                 | .                   | .            |
| United States           | 241    | 200     | 55.0            | 36.1               | 7.2                   | 1.6                | 12.5               | 0.0              | 3.1       | 494.5              | 478.7                 | 473.2                    | 438.1                 | 474.8                 | .                   | 489.6        |
| International Avg (n=9) | 1657   | 1552    | 55.3            | 36.1               | 7.4                   | 1.2                | 6.0                | 0.0              | 1.1       | 476.7              | 461.9                 | 425.2                    | 453.9                 | 461.1                 | .                   | 465.2        |

Question: How much do you agree with these statements about advanced mathematics and physics education within your school. The school has partnership initiatives with industry/ businesses in advanced mathematics and physics  
 Location: ScQ-i0e (MCBG10E)

| Country                 | Sample | Valid N | 1.Agree a lot % | 2.Agree a little % | 3.Disagree a little % | 4.Disagree a lot % | Not Administered % | Not Applicable % | Omitted % | 1.Agree a lot Mean | 2.Agree a little Mean | 3.Disagree a little Mean | 4.Disagree a lot Mean | Not Administered Mean | Not Applicable Mean | Omitted Mean |
|-------------------------|--------|---------|-----------------|--------------------|-----------------------|--------------------|--------------------|------------------|-----------|--------------------|-----------------------|--------------------------|-----------------------|-----------------------|---------------------|--------------|
| France                  | 144    | 131     | 14.3            | 34.2               | 37.9                  | 13.6               | 7.7                | 0.0              | 1.7       | 457.9              | 460.8                 | 462.4                    | 457.1                 | 480.9                 | .                   | 496.8        |
| Italy                   | 113    | 107     | 20.0            | 36.7               | 25.5                  | 17.9               | 4.0                | 0.0              | 0.9       | 409.8              | 433.8                 | 405.9                    | 429.8                 | 440.6                 | .                   | 416.5        |
| Lebanon                 | 251    | 238     | 25.1            | 32.5               | 24.1                  | 18.4               | 0.0                | 0.0              | 6.5       | 539.7              | 534.0                 | 531.0                    | 511.5                 | .                     | .                   | 550.7        |
| Norway                  | 133    | 109     | 35.2            | 38.7               | 16.8                  | 9.3                | 21.3               | 0.0              | 0.4       | 464.7              | 461.2                 | 463.0                    | 453.1                 | 448.7                 | .                   | 474.7        |
| Portugal                | 221    | 210     | 10.3            | 28.8               | 32.6                  | 28.3               | 3.3                | 0.0              | 1.6       | 478.3              | 485.9                 | 482.4                    | 483.5                 | 480.1                 | .                   | 422.6        |
| Russian Federation      | 346    | 344     | 28.4            | 36.0               | 21.2                  | 14.5               | 0.0                | 0.0              | 0.6       | 507.8              | 479.0                 | 474.6                    | 471.4                 | .                     | .                   | 394.1        |
| Russian Federation 6hr+ | 163    | 162     | 36.2            | 38.9               | 18.8                  | 6.1                | 0.0                | 0.0              | 1.0       | 565.4              | 539.0                 | 512.0                    | 507.5                 | .                     | .                   | 397.3        |
| Slovenia                | 69     | 65      | 2.2             | 21.7               | 63.6                  | 12.5               | 4.0                | 0.0              | 0.0       | 432.8              | 485.9                 | 454.0                    | 449.4                 | 457.3                 | .                   | .            |
| Sweden                  | 139    | 138     | 2.3             | 20.2               | 61.5                  | 16.0               | 0.9                | 0.0              | 0.0       | 389.4              | 451.3                 | 426.0                    | 430.3                 | 445.3                 | .                   | .            |
| United States           | 241    | 199     | 21.6            | 39.2               | 28.8                  | 10.4               | 12.5               | 0.0              | 3.2       | 486.0              | 491.7                 | 480.3                    | 484.3                 | 474.8                 | .                   | 487.0        |
| International Avg (n=9) | 1657   | 1541    | 17.7            | 32.0               | 34.6                  | 15.7               | 6.0                | 0.0              | 1.7       | 462.9              | 476.0                 | 464.4                    | 463.4                 | 461.1                 | .                   | 463.2        |



Question: How much do you agree with these statements about advanced mathematics and physics education within your school. Advanced mathematics  
and physics teachers are admired by other teachers in the school  
Location: ScQ-i0f (MCBG10F)

| Country                 | Sample | Valid N | 1.Agree<br>a lot<br>% | 2.Agree<br>a little<br>% | 3.Disagree<br>a little<br>% | 4.Disagree<br>a lot<br>% | Not<br>Administered<br>% | Not<br>Applicable<br>% | Omitted<br>% | 1.Agree<br>a lot<br>Mean | 2.Agree<br>a little<br>Mean | 3.Disagree<br>a little<br>Mean | 4.Disagree<br>a lot<br>Mean | Not<br>Administered<br>Mean | Not<br>Applicable<br>Mean | Omitted<br>Mean |
|-------------------------|--------|---------|-----------------------|--------------------------|-----------------------------|--------------------------|--------------------------|------------------------|--------------|--------------------------|-----------------------------|--------------------------------|-----------------------------|-----------------------------|---------------------------|-----------------|
| France                  | 144    | 130     | 4.5                   | 17.0                     | 62.5                        | 16.0                     | 7.7                      | 0.0                    | 2.0          | 471.3                    | 466.1                       | 460.7                          | 456.7                       | 480.9                       | .                         | 448.4           |
| Italy                   | 113    | 104     | 15.4                  | 50.0                     | 24.3                        | 10.2                     | 4.0                      | 0.0                    | 3.4          | 405.0                    | 429.6                       | 412.5                          | 410.1                       | 440.6                       | .                         | 462.0           |
| Lebanon                 | 251    | 241     | 47.9                  | 40.0                     | 8.7                         | 3.3                      | 0.0                      | 0.0                    | 5.1          | 535.4                    | 525.6                       | 544.1                          | 494.0                       | .                           | .                         | 550.7           |
| Norway                  | 133    | 109     | 73.2                  | 25.5                     | 1.3                         | 0.0                      | 21.3                     | 0.0                    | 0.4          | 467.6                    | 449.2                       | 395.8                          | .                           | 448.7                       | .                         | 474.7           |
| Portugal                | 221    | 207     | 19.3                  | 47.5                     | 21.3                        | 12.0                     | 3.3                      | 0.0                    | 2.6          | 479.5                    | 483.5                       | 487.3                          | 483.4                       | 480.1                       | .                         | 439.3           |
| Russian Federation      | 346    | 345     | 63.7                  | 33.7                     | 2.6                         | 0.0                      | 0.0                      | 0.0                    | 0.4          | 496.7                    | 465.6                       | 449.4                          | .                           | .                           | .                         | 392.6           |
| Russian Federation 6hr+ | 163    | 163     | 75.0                  | 23.4                     | 1.6                         | 0.0                      | 0.0                      | 0.0                    | 0.0          | 545.7                    | 521.2                       | 552.9                          | .                           | .                           | .                         | .               |
| Slovenia                | 69     | 65      | 4.9                   | 25.6                     | 63.4                        | 6.1                      | 4.0                      | 0.0                    | 0.0          | 523.0                    | 472.1                       | 455.1                          | 408.2                       | 457.3                       | .                         | .               |
| Sweden                  | 139    | 131     | 1.7                   | 34.4                     | 44.3                        | 19.6                     | 0.9                      | 0.0                    | 5.1          | 427.7                    | 430.6                       | 432.9                          | 421.9                       | 445.3                       | .                         | 450.9           |
| United States           | 241    | 200     | 40.7                  | 44.2                     | 12.1                        | 3.0                      | 12.5                     | 0.0                    | 3.1          | 494.6                    | 482.5                       | 481.3                          | 451.4                       | 474.8                       | .                         | 489.6           |
| International Avg (n=9) | 1657   | 1532    | 30.1                  | 35.3                     | 26.7                        | 7.8                      | 6.0                      | 0.0                    | 2.5          | 477.9                    | 467.2                       | 457.7                          | 446.5                       | 461.1                       | .                         | 463.5           |

Question: How much do you agree with these statements about advanced mathematics and physics education within your school. Students at this school  
respect students who excel in advanced mathematics and physics

Location: ScQ-i0g (MCBG10G)

| Country                 | Sample | Valid N | 1.Agre<br>e a<br>lot<br>% | 2.Agre<br>e a<br>little<br>% | 3.Disa<br>gree<br>a<br>little<br>% | 4.Disa<br>gree<br>a lot<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Agre<br>e a<br>lot<br>Mean | 2.Agre<br>e a<br>little<br>Mean | 3.Disa<br>gree<br>a<br>little<br>Mean | 4.Disa<br>gree<br>a lot<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|---------------------------|------------------------------|------------------------------------|------------------------------|------------------------------|----------------------------|------------------|------------------------------|---------------------------------|---------------------------------------|---------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 129     | 19.2                      | 40.7                         | 34.0                               | 6.0                          | 7.7                          | 0.0                        | 3.1              | 471.9                        | 460.3                           | 459.2                                 | 439.9                           | 480.9                           | .                             | 466.6               |
| Italy                   | 113    | 104     | 45.6                      | 37.8                         | 15.0                               | 1.7                          | 4.0                          | 0.0                        | 3.4              | 431.7                        | 417.8                           | 385.2                                 | 438.2                           | 440.6                           | .                             | 464.1               |
| Lebanon                 | 251    | 241     | 59.3                      | 36.9                         | 2.0                                | 1.7                          | 0.0                          | 0.0                        | 4.6              | 530.4                        | 533.3                           | 529.1                                 | 496.0                           | .                               | .                             | 553.4               |
| Norway                  | 133    | 109     | 69.7                      | 28.0                         | 2.3                                | 0.0                          | 21.3                         | 0.0                        | 0.4              | 469.4                        | 445.3                           | 440.7                                 | .                               | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 211     | 57.2                      | 36.0                         | 6.5                                | 0.3                          | 3.3                          | 0.0                        | 1.4              | 482.1                        | 483.7                           | 491.6                                 | 512.4                           | 480.1                           | .                             | 411.8               |
| Russian Federation      | 346    | 345     | 63.0                      | 34.7                         | 2.3                                | 0.0                          | 0.0                          | 0.0                        | 0.4              | 501.2                        | 456.7                           | 468.7                                 | .                               | .                               | .                             | 392.6               |
| Russian Federation 6hr+ | 163    | 163     | 76.0                      | 23.4                         | 0.6                                | 0.0                          | 0.0                          | 0.0                        | 0.0              | 547.1                        | 518.4                           | 492.4                                 | .                               | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 9.3                       | 58.4                         | 30.1                               | 2.2                          | 4.0                          | 0.0                        | 0.0              | 493.0                        | 461.7                           | 447.9                                 | 437.8                           | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 133     | 27.6                      | 53.7                         | 9.7                                | 9.0                          | 0.9                          | 0.0                        | 2.4              | 425.7                        | 436.3                           | 440.8                                 | 413.2                           | 445.3                           | .                             | 400.1               |
| United States           | 241    | 200     | 59.3                      | 34.5                         | 4.6                                | 1.6                          | 12.5                         | 0.0                        | 3.1              | 491.7                        | 482.9                           | 456.1                                 | 447.3                           | 474.8                           | .                             | 489.6               |
| International Avg (n=9) | 1657   | 1537    | 45.6                      | 40.1                         | 11.8                               | 2.5                          | 6.0                          | 0.0                        | 2.1              | 477.5                        | 464.2                           | 457.7                                 | 455.0                           | 461.1                           | .                             | 456.6               |

Question: To what degree is each of the following a problem among <twelfth grade> students in your school. Arriving late at school  
 Location: ScQ-11a (MCBG11A)

| Country                 | Sample | Valid N | 1.Not<br>a<br>proble<br>m<br>% | 2.Mino<br>r<br>proble<br>m<br>% | 3.Mode<br>rate<br>proble<br>m<br>% | 4.Seri<br>ous<br>proble<br>m<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>a<br>proble<br>m<br>Mean | 2.Mino<br>r<br>proble<br>m<br>Mean | 3.Mode<br>rate<br>proble<br>m<br>Mean | 4.Seri<br>ous<br>proble<br>m<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------|------------------|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 131     | 30.6                           | 49.5                            | 13.6                               | 6.4                               | 7.7                          | 0.0                        | 1.2              | 471.7                             | 461.8                              | 453.1                                 | 422.7                                | 480.9                           | .                             | 459.5               |
| Italy                   | 113    | 108     | 12.4                           | 44.2                            | 41.0                               | 2.3                               | 4.0                          | 0.0                        | 0.0              | 450.4                             | 450.6                              | 385.6                                 | 333.3                                | 440.6                           | .                             | .                   |
| Lebanon                 | 251    | 246     | 44.0                           | 30.1                            | 11.5                               | 14.4                              | 0.0                          | 0.0                        | 2.8              | 542.7                             | 526.3                              | 527.7                                 | 511.2                                | .                               | .                             | 544.6               |
| Norway                  | 133    | 109     | 19.3                           | 43.4                            | 30.6                               | 6.7                               | 21.3                         | 0.0                        | 0.4              | 491.3                             | 455.6                              | 449.9                                 | 474.3                                | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 212     | 25.5                           | 53.5                            | 19.1                               | 1.9                               | 3.3                          | 0.0                        | 0.4              | 486.7                             | 481.4                              | 479.2                                 | 485.4                                | 480.1                           | .                             | 468.7               |
| Russian Federation      | 346    | 346     | 20.1                           | 69.4                            | 8.9                                | 1.6                               | 0.0                          | 0.0                        | 0.0              | 501.6                             | 482.3                              | 479.0                                 | 403.5                                | .                               | .                             | .                   |
| Russian Federation 6hr+ | 163    | 163     | 16.0                           | 68.6                            | 13.0                               | 2.4                               | 0.0                          | 0.0                        | 0.0              | 540.2                             | 538.1                              | 548.1                                 | 552.5                                | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 2.4                            | 68.9                            | 25.2                               | 3.5                               | 4.0                          | 0.0                        | 0.0              | 487.3                             | 468.9                              | 440.1                                 | 407.2                                | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 137     | 6.4                            | 50.7                            | 38.5                               | 4.4                               | 0.9                          | 0.0                        | 2.2              | 440.4                             | 442.7                              | 420.3                                 | 379.2                                | 445.3                           | .                             | 421.5               |
| United States           | 241    | 203     | 19.2                           | 59.9                            | 18.5                               | 2.5                               | 12.5                         | 0.0                        | 0.7              | 496.5                             | 492.8                              | 461.9                                 | 417.5                                | 474.8                           | .                             | 551.6               |
| International Avg (n=9) | 1657   | 1557    | 20.0                           | 52.2                            | 23.0                               | 4.9                               | 6.0                          | 0.0                        | 0.9              | 485.4                             | 473.6                              | 455.2                                 | 426.0                                | 461.1                           | .                             | 486.8               |

Question: To what degree is each of the following a problem among <twelfth grade> students in your school. Absenteeism (i.e., unjustified absences)  
 Location: ScQ-11b (MCBG11B)

| Country                 | Sample | Valid N | 1.Not<br>a<br>proble<br>m<br>% | 2.Mino<br>r<br>proble<br>m<br>% | 3.Mode<br>rate<br>proble<br>m<br>% | 4.Seri<br>ous<br>proble<br>m<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>a<br>proble<br>m<br>Mean | 2.Mino<br>r<br>proble<br>m<br>Mean | 3.Mode<br>rate<br>proble<br>m<br>Mean | 4.Seri<br>ous<br>proble<br>m<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------|------------------|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 25.7                           | 45.5                            | 19.2                               | 9.6                               | 7.7                          | 0.0                        | 0.6              | 473.0                             | 461.6                              | 457.6                                 | 432.3                                | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 107     | 27.1                           | 37.1                            | 24.1                               | 11.7                              | 4.0                          | 0.0                        | 1.0              | 461.4                             | 427.5                              | 376.7                                 | 391.2                                | 440.6                           | .                             | 508.3               |
| Lebanon                 | 251    | 247     | 41.1                           | 32.8                            | 6.6                                | 19.4                              | 0.0                          | 0.0                        | 2.6              | 543.3                             | 523.2                              | 531.5                                 | 520.1                                | .                               | .                             | 549.2               |
| Norway                  | 133    | 109     | 23.3                           | 36.4                            | 25.2                               | 15.0                              | 21.3                         | 0.0                        | 0.4              | 489.3                             | 456.9                              | 445.5                                 | 459.5                                | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 212     | 40.0                           | 45.0                            | 10.6                               | 4.4                               | 3.3                          | 0.0                        | 0.6              | 484.5                             | 482.3                              | 476.2                                 | 477.9                                | 480.1                           | .                             | 478.9               |
| Russian Federation      | 346    | 346     | 48.9                           | 46.3                            | 4.4                                | 0.3                               | 0.0                          | 0.0                        | 0.0              | 484.1                             | 493.3                              | 414.0                                 | 307.2                                | .                               | .                             | .                   |
| Russian Federation 6hr+ | 163    | 163     | 45.6                           | 51.6                            | 2.7                                | 0.2                               | 0.0                          | 0.0                        | 0.0              | 535.6                             | 543.9                              | 542.2                                 | 580.8                                | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 8.0                            | 56.6                            | 27.9                               | 7.5                               | 4.0                          | 0.0                        | 0.0              | 497.5                             | 468.6                              | 444.6                                 | 410.8                                | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 4.7                            | 31.6                            | 53.0                               | 10.6                              | 0.9                          | 0.0                        | 2.7              | 479.1                             | 432.7                              | 435.7                                 | 387.4                                | 445.3                           | .                             | 405.5               |
| United States           | 241    | 203     | 15.3                           | 65.9                            | 16.6                               | 2.2                               | 12.5                         | 0.0                        | 0.7              | 503.3                             | 490.0                              | 460.9                                 | 431.3                                | 474.8                           | .                             | 551.6               |
| International Avg (n=9) | 1657   | 1557    | 26.0                           | 44.2                            | 20.9                               | 9.0                               | 6.0                          | 0.0                        | 1.0              | 490.6                             | 470.7                              | 449.2                                 | 424.2                                | 461.1                           | .                             | 494.0               |

Question: To what degree is each of the following a problem among <twelfth grade> students in your school. Classroom disturbance  
 Location: ScQ-11c (MCBG11C)

| Country                 | Sample | Valid N | 1.Not<br>a<br>proble<br>m<br>% | 2.Mino<br>r<br>proble<br>m<br>% | 3.Mode<br>rate<br>proble<br>m<br>% | 4.Seri<br>ous<br>proble<br>m<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>a<br>proble<br>m<br>Mean | 2.Mino<br>r<br>proble<br>m<br>Mean | 3.Mode<br>rate<br>proble<br>m<br>Mean | 4.Seri<br>ous<br>proble<br>m<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------|------------------|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 50.1                           | 44.5                            | 1.5                                | 3.9                               | 7.7                          | 0.0                        | 0.6              | 464.9                             | 457.4                              | 437.6                                 | 460.4                                | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 108     | 33.1                           | 39.6                            | 15.8                               | 11.5                              | 4.0                          | 0.0                        | 0.0              | 454.9                             | 413.2                              | 387.8                                 | 397.2                                | 440.6                           | .                             | .                   |
| Lebanon                 | 251    | 245     | 32.5                           | 36.8                            | 11.1                               | 19.6                              | 0.0                          | 0.0                        | 3.2              | 535.7                             | 536.8                              | 506.9                                 | 526.4                                | .                               | .                             | 556.1               |
| Norway                  | 133    | 109     | 56.0                           | 37.5                            | 5.8                                | 0.7                               | 21.3                         | 0.0                        | 0.4              | 473.6                             | 450.8                              | 424.8                                 | 440.5                                | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 213     | 39.1                           | 46.8                            | 11.4                               | 2.6                               | 3.3                          | 0.0                        | 0.1              | 486.9                             | 477.2                              | 489.7                                 | 470.0                                | 480.1                           | .                             | 540.5               |
| Russian Federation      | 346    | 344     | 73.8                           | 25.4                            | 0.9                                | 0.0                               | 0.0                          | 0.0                        | 1.6              | 491.0                             | 472.5                              | 403.2                                 | .                                    | .                               | .                             | 429.8               |
| Russian Federation 6hr+ | 163    | 163     | 74.2                           | 24.3                            | 1.5                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 543.3                             | 535.0                              | 465.0                                 | .                                    | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 34.9                           | 55.7                            | 9.4                                | 0.0                               | 4.0                          | 0.0                        | 0.0              | 481.9                             | 451.5                              | 428.3                                 | .                                    | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 137     | 27.6                           | 56.5                            | 15.0                               | 0.9                               | 0.9                          | 0.0                        | 2.2              | 448.4                             | 426.7                              | 419.8                                 | 373.4                                | 445.3                           | .                             | 421.5               |
| United States           | 241    | 202     | 62.0                           | 35.4                            | 2.1                                | 0.4                               | 12.5                         | 0.0                        | 1.6              | 493.9                             | 478.1                              | 432.3                                 | 376.0                                | 474.8                           | .                             | 482.9               |
| International Avg (n=9) | 1657   | 1555    | 45.4                           | 42.0                            | 8.1                                | 4.4                               | 6.0                          | 0.0                        | 1.1              | 481.2                             | 462.7                              | 436.7                                 | 434.8                                | 461.1                           | .                             | 485.1               |

Question: To what degree is each of the following a problem among <twelfth grade> students in your school. Cheating  
 Location: ScQ-11d (MCBG11D)

| Country                 | Sample | Valid N | 1.Not<br>a<br>proble<br>m<br>% | 2.Mino<br>r<br>proble<br>m<br>% | 3.Mode<br>rate<br>proble<br>m<br>% | 4.Seri<br>ous<br>proble<br>m<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>a<br>proble<br>m<br>Mean | 2.Mino<br>r<br>proble<br>m<br>Mean | 3.Mode<br>rate<br>proble<br>m<br>Mean | 4.Seri<br>ous<br>proble<br>m<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------|------------------|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 27.0                           | 54.9                            | 14.2                               | 4.0                               | 7.7                          | 0.0                        | 0.6              | 462.5                             | 463.2                              | 450.4                                 | 456.6                                | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 108     | 11.8                           | 54.5                            | 26.2                               | 7.5                               | 4.0                          | 0.0                        | 0.0              | 450.6                             | 422.4                              | 401.2                                 | 435.4                                | 440.6                           | .                             | .                   |
| Lebanon                 | 251    | 244     | 31.5                           | 36.5                            | 11.7                               | 20.2                              | 0.0                          | 0.0                        | 3.5              | 540.4                             | 530.4                              | 516.6                                 | 529.5                                | .                               | .                             | 535.8               |
| Norway                  | 133    | 109     | 34.6                           | 54.8                            | 10.6                               | 0.0                               | 21.3                         | 0.0                        | 0.4              | 468.1                             | 459.6                              | 454.5                                 | .                                    | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 212     | 38.2                           | 50.6                            | 9.8                                | 1.4                               | 3.3                          | 0.0                        | 0.6              | 489.5                             | 479.1                              | 470.2                                 | 483.5                                | 480.1                           | .                             | 490.0               |
| Russian Federation      | 346    | 343     | 16.5                           | 69.5                            | 13.0                               | 0.9                               | 0.0                          | 0.0                        | 1.0              | 503.3                             | 489.3                              | 437.9                                 | 440.7                                | .                               | .                             | 502.5               |
| Russian Federation 6hr+ | 163    | 161     | 23.4                           | 63.4                            | 11.0                               | 2.2                               | 0.0                          | 0.0                        | 3.4              | 554.0                             | 537.6                              | 531.9                                 | 519.9                                | .                               | .                             | 531.4               |
| Slovenia                | 69     | 65      | 49.2                           | 43.7                            | 7.0                                | 0.0                               | 4.0                          | 0.0                        | 0.0              | 465.5                             | 460.1                              | 419.1                                 | .                                    | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 24.8                           | 62.9                            | 10.4                               | 1.9                               | 0.9                          | 0.0                        | 2.9              | 430.9                             | 436.7                              | 403.7                                 | 403.1                                | 445.3                           | .                             | 422.7               |
| United States           | 241    | 203     | 40.5                           | 52.3                            | 6.8                                | 0.4                               | 12.5                         | 0.0                        | 0.7              | 486.5                             | 484.2                              | 491.1                                 | 565.1                                | 474.8                           | .                             | 551.6               |
| International Avg (n=9) | 1657   | 1552    | 30.5                           | 53.3                            | 12.2                               | 4.0                               | 6.0                          | 0.0                        | 1.1              | 477.5                             | 469.4                              | 449.4                                 | 473.4                                | 461.1                           | .                             | 495.3               |

Question: To what degree is each of the following a problem among <twelfth grade> students in your school. Profanity  
 Location: ScQ-11e (MCBG11E)

| Country                 | Sample | Valid N | 1.Not<br>a<br>proble<br>m<br>% | 2.Mino<br>r<br>proble<br>m<br>% | 3.Mode<br>rate<br>proble<br>m<br>% | 4.Seri<br>ous<br>proble<br>m<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>a<br>proble<br>m<br>Mean | 2.Mino<br>r<br>proble<br>m<br>Mean | 3.Mode<br>rate<br>proble<br>m<br>Mean | 4.Seri<br>ous<br>proble<br>m<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------|------------------|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 72.4                           | 21.5                            | 3.5                                | 2.6                               | 7.7                          | 0.0                        | 0.6              | 465.7                             | 455.3                              | 404.1                                 | 453.0                                | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 107     | 23.7                           | 41.7                            | 32.0                               | 2.6                               | 4.0                          | 0.0                        | 1.0              | 461.3                             | 412.0                              | 402.5                                 | 399.1                                | 440.6                           | .                             | 501.2               |
| Lebanon                 | 251    | 242     | 44.7                           | 28.3                            | 4.5                                | 22.6                              | 0.0                          | 0.0                        | 3.8              | 537.2                             | 528.4                              | 526.6                                 | 526.4                                | .                               | .                             | 533.5               |
| Norway                  | 133    | 109     | 77.3                           | 22.0                            | 0.7                                | 0.0                               | 21.3                         | 0.0                        | 0.4              | 465.8                             | 449.3                              | 440.5                                 | .                                    | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 210     | 46.3                           | 42.8                            | 6.9                                | 3.9                               | 3.3                          | 0.0                        | 1.4              | 482.8                             | 483.5                              | 481.5                                 | 473.8                                | 480.1                           | .                             | 457.7               |
| Russian Federation      | 346    | 345     | 70.6                           | 27.5                            | 1.8                                | 0.1                               | 0.0                          | 0.0                        | 0.2              | 492.0                             | 470.7                              | 399.9                                 | 480.5                                | .                               | .                             | 544.4               |
| Russian Federation 6hr+ | 163    | 162     | 69.9                           | 29.0                            | 0.5                                | 0.6                               | 0.0                          | 0.0                        | 0.6              | 538.7                             | 546.0                              | 426.4                                 | 480.5                                | .                               | .                             | 566.3               |
| Slovenia                | 69     | 65      | 82.8                           | 16.4                            | 0.8                                | 0.0                               | 4.0                          | 0.0                        | 0.0              | 465.3                             | 436.6                              | 375.6                                 | .                                    | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 58.9                           | 35.1                            | 5.1                                | 0.8                               | 0.9                          | 0.0                        | 2.5              | 434.0                             | 429.3                              | 416.9                                 | 395.8                                | 445.3                           | .                             | 423.2               |
| United States           | 241    | 203     | 40.8                           | 47.2                            | 11.3                               | 0.6                               | 12.5                         | 0.0                        | 0.7              | 494.4                             | 486.1                              | 458.5                                 | 419.5                                | 474.8                           | .                             | 551.6               |
| International Avg (n=9) | 1657   | 1549    | 57.5                           | 31.4                            | 7.4                                | 3.7                               | 6.0                          | 0.0                        | 1.2              | 477.6                             | 461.3                              | 434.0                                 | 449.7                                | 461.1                           | .                             | 497.1               |

Question: To what degree is each of the following a problem among <twelfth grade> students in your school. Vandalism  
 Location: ScQ-11f (MCBG11F)

| Country                 | Sample | Valid N | 1.Not<br>a<br>proble<br>m<br>% | 2.Mino<br>r<br>proble<br>m<br>% | 3.Mode<br>rate<br>proble<br>m<br>% | 4.Seri<br>ous<br>proble<br>m<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>a<br>proble<br>m<br>Mean | 2.Mino<br>r<br>proble<br>m<br>Mean | 3.Mode<br>rate<br>proble<br>m<br>Mean | 4.Seri<br>ous<br>proble<br>m<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------|------------------|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 83.7                           | 11.9                            | 1.8                                | 2.6                               | 7.7                          | 0.0                        | 0.6              | 462.4                             | 457.3                              | 428.5                                 | 453.0                                | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 108     | 62.5                           | 14.3                            | 3.6                                | 19.6                              | 4.0                          | 0.0                        | 0.0              | 434.8                             | 394.3                              | 340.9                                 | 412.2                                | 440.6                           | .                             | .                   |
| Lebanon                 | 251    | 239     | 50.9                           | 22.0                            | 2.4                                | 24.7                              | 0.0                          | 0.0                        | 5.6              | 539.6                             | 517.9                              | 501.5                                 | 528.5                                | .                               | .                             | 543.7               |
| Norway                  | 133    | 109     | 92.2                           | 7.0                             | 0.7                                | 0.0                               | 21.3                         | 0.0                        | 0.4              | 463.7                             | 441.6                              | 440.5                                 | .                                    | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 213     | 74.6                           | 20.4                            | 1.1                                | 3.8                               | 3.3                          | 0.0                        | 0.1              | 482.9                             | 481.1                              | 491.9                                 | 472.3                                | 480.1                           | .                             | 540.5               |
| Russian Federation      | 346    | 346     | 93.4                           | 6.6                             | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 484.2                             | 491.1                              | .                                     | .                                    | .                               | .                             | .                   |
| Russian Federation 6hr+ | 163    | 163     | 90.5                           | 9.5                             | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 539.9                             | 541.8                              | .                                     | .                                    | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 93.8                           | 5.4                             | 0.8                                | 0.0                               | 4.0                          | 0.0                        | 0.0              | 459.7                             | 475.9                              | 375.6                                 | .                                    | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 73.4                           | 25.1                            | 1.5                                | 0.0                               | 0.9                          | 0.0                        | 2.9              | 431.9                             | 433.8                              | 355.3                                 | .                                    | 445.3                           | .                             | 422.7               |
| United States           | 241    | 203     | 72.0                           | 26.2                            | 1.8                                | 0.0                               | 12.5                         | 0.0                        | 0.7              | 494.2                             | 465.1                              | 457.8                                 | .                                    | 474.8                           | .                             | 551.6               |
| International Avg (n=9) | 1657   | 1551    | 77.4                           | 15.4                            | 1.5                                | 5.6                               | 6.0                          | 0.0                        | 1.1              | 472.6                             | 462.0                              | 424.0                                 | 466.5                                | 461.1                           | .                             | 503.9               |



Question: To what degree is each of the following a problem among <twelfth grade> students in your school. Theft  
Location: ScQ-11g (MCBG11G)

| Country                 | Sample | Valid N | 1.Not<br>a<br>proble<br>m<br>% | 2.Mino<br>r<br>proble<br>m<br>% | 3.Mode<br>rate<br>proble<br>m<br>% | 4.Seri<br>ous<br>proble<br>m<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>a<br>proble<br>m<br>Mean | 2.Mino<br>r<br>proble<br>m<br>Mean | 3.Mode<br>rate<br>proble<br>m<br>Mean | 4.Seri<br>ous<br>proble<br>m<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------|------------------|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 73.8                           | 21.2                            | 2.4                                | 2.6                               | 7.7                          | 0.0                        | 0.6              | 462.8                             | 457.5                              | 444.4                                 | 453.0                                | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 108     | 51.6                           | 23.7                            | 6.3                                | 18.4                              | 4.0                          | 0.0                        | 0.0              | 436.3                             | 407.2                              | 370.2                                 | 414.2                                | 440.6                           | .                             | .                   |
| Lebanon                 | 251    | 243     | 63.6                           | 10.2                            | 1.9                                | 24.3                              | 0.0                          | 0.0                        | 3.8              | 535.3                             | 515.3                              | 514.1                                 | 528.5                                | .                               | .                             | 548.3               |
| Norway                  | 133    | 109     | 84.3                           | 15.0                            | 0.7                                | 0.0                               | 21.3                         | 0.0                        | 0.4              | 463.0                             | 457.5                              | 440.5                                 | .                                    | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 213     | 75.5                           | 18.2                            | 3.6                                | 2.8                               | 3.3                          | 0.0                        | 0.1              | 481.8                             | 485.1                              | 478.4                                 | 480.9                                | 480.1                           | .                             | 540.5               |
| Russian Federation      | 346    | 345     | 94.9                           | 5.1                             | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.3              | 485.4                             | 483.5                              | .                                     | .                                    | .                               | .                             | 279.2               |
| Russian Federation 6hr+ | 163    | 163     | 95.2                           | 4.8                             | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 541.0                             | 522.8                              | .                                     | .                                    | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 91.6                           | 7.6                             | 0.8                                | 0.0                               | 4.0                          | 0.0                        | 0.0              | 464.9                             | 407.9                              | 375.6                                 | .                                    | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 70.5                           | 28.3                            | 0.3                                | 0.9                               | 0.9                          | 0.0                        | 2.9              | 434.6                             | 421.5                              | 463.5                                 | 461.1                                | 445.3                           | .                             | 422.7               |
| United States           | 241    | 203     | 68.5                           | 29.0                            | 2.0                                | 0.5                               | 12.5                         | 0.0                        | 0.7              | 493.6                             | 474.0                              | 423.5                                 | 377.3                                | 474.8                           | .                             | 551.6               |
| International Avg (n=9) | 1657   | 1554    | 74.9                           | 17.6                            | 2.0                                | 5.5                               | 6.0                          | 0.0                        | 1.0              | 473.1                             | 456.6                              | 438.8                                 | 452.5                                | 461.1                           | .                             | 472.4               |

Question: To what degree is each of the following a problem among <twelfth grade> students in your school. Intimidation or verbal abuse among students (including texting, emailing, etc.)

Location: ScQ-11h (MCBG11H)

| Country                 | Sample | Valid N | 1.Not<br>a<br>proble<br>m<br>% | 2.Mino<br>r<br>proble<br>m<br>% | 3.Mode<br>rate<br>proble<br>m<br>% | 4.Seri<br>ous<br>proble<br>m<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>a<br>proble<br>m<br>Mean | 2.Mino<br>r<br>proble<br>m<br>Mean | 3.Mode<br>rate<br>proble<br>m<br>Mean | 4.Seri<br>ous<br>proble<br>m<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------|------------------|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 130     | 67.3                           | 26.9                            | 3.1                                | 2.7                               | 7.7                          | 0.0                        | 2.4              | 460.6                             | 464.3                              | 448.0                                 | 453.0                                | 480.9                           | .                             | 466.1               |
| Italy                   | 113    | 108     | 39.3                           | 33.9                            | 8.1                                | 18.7                              | 4.0                          | 0.0                        | 0.0              | 433.9                             | 419.9                              | 421.7                                 | 396.4                                | 440.6                           | .                             | .                   |
| Lebanon                 | 251    | 246     | 38.3                           | 33.7                            | 5.9                                | 22.2                              | 0.0                          | 0.0                        | 2.8              | 536.2                             | 529.8                              | 514.0                                 | 530.0                                | .                               | .                             | 549.6               |
| Norway                  | 133    | 108     | 57.8                           | 38.7                            | 3.5                                | 0.0                               | 21.3                         | 0.0                        | 0.6              | 464.9                             | 457.3                              | 468.1                                 | .                                    | 448.7                           | .                             | 462.1               |
| Portugal                | 221    | 212     | 51.8                           | 41.8                            | 2.5                                | 3.9                               | 3.3                          | 0.0                        | 1.0              | 483.4                             | 482.9                              | 472.2                                 | 472.3                                | 480.1                           | .                             | 465.2               |
| Russian Federation      | 346    | 346     | 87.2                           | 12.8                            | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 484.6                             | 484.8                              | .                                     | .                                    | .                               | .                             | .                   |
| Russian Federation 6hr+ | 163    | 163     | 81.0                           | 19.0                            | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 541.6                             | 533.8                              | .                                     | .                                    | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 68.2                           | 31.0                            | 0.8                                | 0.0                               | 4.0                          | 0.0                        | 0.0              | 462.2                             | 457.0                              | 375.6                                 | .                                    | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 137     | 36.7                           | 57.8                            | 5.0                                | 0.4                               | 0.9                          | 0.0                        | 2.2              | 430.0                             | 431.5                              | 435.3                                 | 431.5                                | 445.3                           | .                             | 421.5               |
| United States           | 241    | 203     | 47.2                           | 43.9                            | 8.1                                | 0.7                               | 12.5                         | 0.0                        | 0.7              | 485.1                             | 490.6                              | 475.7                                 | 378.0                                | 474.8                           | .                             | 551.6               |
| International Avg (n=9) | 1657   | 1555    | 54.9                           | 35.6                            | 4.1                                | 5.4                               | 6.0                          | 0.0                        | 1.1              | 471.2                             | 468.7                              | 451.3                                 | 443.5                                | 461.1                           | .                             | 486.0               |

Question: To what degree is each of the following a problem among <twelfth grade> students in your school. Physical injury to other students  
 Location: ScQ-11i (MCBG11I)

| Country                 | Sample | Valid N | 1.Not<br>a<br>proble<br>m<br>% | 2.Mino<br>r<br>proble<br>m<br>% | 3.Mode<br>rate<br>proble<br>m<br>% | 4.Seri<br>ous<br>proble<br>m<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>a<br>proble<br>m<br>Mean | 2.Mino<br>r<br>proble<br>m<br>Mean | 3.Mode<br>rate<br>proble<br>m<br>Mean | 4.Seri<br>ous<br>proble<br>m<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------|------------------|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 131     | 86.3                           | 9.7                             | 0.7                                | 3.3                               | 7.7                          | 0.0                        | 1.5              | 462.3                             | 453.5                              | 440.2                                 | 460.2                                | 480.9                           | .                             | 456.9               |
| Italy                   | 113    | 108     | 63.7                           | 13.6                            | 2.3                                | 20.4                              | 4.0                          | 0.0                        | 0.0              | 435.6                             | 378.7                              | 349.1                                 | 412.4                                | 440.6                           | .                             | .                   |
| Lebanon                 | 251    | 245     | 51.0                           | 21.4                            | 4.7                                | 22.8                              | 0.0                          | 0.0                        | 3.2              | 540.6                             | 513.1                              | 507.1                                 | 532.4                                | .                               | .                             | 550.4               |
| Norway                  | 133    | 109     | 95.8                           | 4.2                             | 0.0                                | 0.0                               | 21.3                         | 0.0                        | 0.4              | 462.8                             | 443.4                              | .                                     | .                                    | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 213     | 70.4                           | 25.0                            | 1.8                                | 2.8                               | 3.3                          | 0.0                        | 0.1              | 483.0                             | 481.1                              | 471.9                                 | 480.9                                | 480.1                           | .                             | 540.5               |
| Russian Federation      | 346    | 346     | 94.9                           | 5.1                             | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 486.1                             | 458.1                              | .                                     | .                                    | .                               | .                             | .                   |
| Russian Federation 6hr+ | 163    | 163     | 93.3                           | 6.7                             | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 541.0                             | 527.7                              | .                                     | .                                    | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 97.9                           | 1.3                             | 0.8                                | 0.0                               | 4.0                          | 0.0                        | 0.0              | 461.0                             | 423.6                              | 375.6                                 | .                                    | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 137     | 87.4                           | 12.3                            | 0.3                                | 0.0                               | 0.9                          | 0.0                        | 2.2              | 431.3                             | 429.8                              | 438.3                                 | .                                    | 445.3                           | .                             | 421.5               |
| United States           | 241    | 203     | 80.3                           | 19.3                            | 0.0                                | 0.4                               | 12.5                         | 0.0                        | 0.7              | 489.6                             | 473.1                              | .                                     | 376.0                                | 474.8                           | .                             | 551.6               |
| International Avg (n=9) | 1657   | 1557    | 80.8                           | 12.4                            | 1.2                                | 5.5                               | 6.0                          | 0.0                        | 0.9              | 472.5                             | 450.5                              | 430.4                                 | 452.4                                | 461.1                           | .                             | 499.3               |

Question: To what degree is each of the following a problem among <twelfth grade> students in your school. Intimidation or verbal abuse of teachers or staff (including texting, emailing, etc.)

Location: ScQ-11j (MCBG11j)

| Country                 | Sample | Valid N | 1.Not<br>a<br>proble<br>m<br>% | 2.Mino<br>r<br>proble<br>m<br>% | 3.Mode<br>rate<br>proble<br>m<br>% | 4.Seri<br>ous<br>proble<br>m<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>a<br>proble<br>m<br>Mean | 2.Mino<br>r<br>proble<br>m<br>Mean | 3.Mode<br>rate<br>proble<br>m<br>Mean | 4.Seri<br>ous<br>proble<br>m<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------|------------------|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 131     | 85.3                           | 9.6                             | 1.7                                | 3.3                               | 7.7                          | 0.0                        | 1.5              | 463.2                             | 452.5                              | 411.7                                 | 460.2                                | 480.9                           | .                             | 456.9               |
| Italy                   | 113    | 108     | 66.4                           | 11.9                            | 2.3                                | 19.4                              | 4.0                          | 0.0                        | 0.0              | 436.0                             | 359.4                              | 349.1                                 | 416.5                                | 440.6                           | .                             | .                   |
| Lebanon                 | 251    | 245     | 59.7                           | 16.5                            | 1.3                                | 22.5                              | 0.3                          | 0.0                        | 2.8              | 533.6                             | 528.8                              | 477.8                                 | 530.6                                | 513.5                           | .                             | 549.6               |
| Norway                  | 133    | 109     | 89.6                           | 10.4                            | 0.0                                | 0.0                               | 21.3                         | 0.0                        | 0.4              | 464.3                             | 442.1                              | .                                     | .                                    | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 213     | 71.8                           | 24.7                            | 0.9                                | 2.5                               | 3.3                          | 0.0                        | 0.1              | 484.7                             | 475.6                              | 454.3                                 | 488.8                                | 480.1                           | .                             | 540.5               |
| Russian Federation      | 346    | 346     | 98.2                           | 1.8                             | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 484.2                             | 510.6                              | .                                     | .                                    | .                               | .                             | .                   |
| Russian Federation 6hr+ | 163    | 163     | 99.8                           | 0.2                             | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 540.0                             | 580.8                              | .                                     | .                                    | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 84.5                           | 14.7                            | 0.8                                | 0.0                               | 4.0                          | 0.0                        | 0.0              | 461.3                             | 456.5                              | 375.6                                 | .                                    | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 71.5                           | 26.3                            | 2.2                                | 0.0                               | 0.9                          | 0.0                        | 2.7              | 432.6                             | 432.0                              | 377.0                                 | .                                    | 445.3                           | .                             | 421.8               |
| United States           | 241    | 203     | 81.8                           | 17.7                            | 0.5                                | 0.0                               | 12.5                         | 0.0                        | 0.7              | 485.5                             | 491.7                              | 346.3                                 | .                                    | 474.8                           | .                             | 551.6               |
| International Avg (n=9) | 1657   | 1556    | 78.8                           | 14.8                            | 1.1                                | 5.3                               | 6.0                          | 0.0                        | 0.9              | 471.7                             | 461.0                              | 398.8                                 | 474.1                                | 467.6                           | .                             | 499.2               |

Question: To what degree is each of the following a problem among <twelfth grade> students in your school. Physical injury to teachers or staff  
 Location: ScQ-11k (MCBG11K)

| Country                 | Sample | Valid N | 1.Not<br>a<br>proble<br>m<br>% | 2.Mino<br>r<br>proble<br>m<br>% | 3.Mode<br>rate<br>proble<br>m<br>% | 4.Seri<br>ous<br>proble<br>m<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>a<br>proble<br>m<br>Mean | 2.Mino<br>r<br>proble<br>m<br>Mean | 3.Mode<br>rate<br>proble<br>m<br>Mean | 4.Seri<br>ous<br>proble<br>m<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------|------------------|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 131     | 95.3                           | 0.7                             | 0.7                                | 3.3                               | 7.7                          | 0.0                        | 1.5              | 461.2                             | 484.9                              | 440.2                                 | 460.2                                | 480.9                           | .                             | 456.9               |
| Italy                   | 113    | 107     | 75.5                           | 3.8                             | 2.3                                | 18.4                              | 4.0                          | 0.0                        | 0.8              | 427.2                             | 327.7                              | 424.0                                 | 418.9                                | 440.6                           | .                             | 338.8               |
| Lebanon                 | 251    | 246     | 65.7                           | 7.8                             | 1.8                                | 24.6                              | 0.0                          | 0.0                        | 2.8              | 534.2                             | 520.2                              | 509.6                                 | 529.1                                | .                               | .                             | 549.6               |
| Norway                  | 133    | 109     | 96.7                           | 3.3                             | 0.0                                | 0.0                               | 21.3                         | 0.0                        | 0.4              | 462.6                             | 443.8                              | .                                     | .                                    | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 213     | 95.1                           | 2.4                             | 0.0                                | 2.5                               | 3.3                          | 0.0                        | 0.1              | 482.2                             | 475.7                              | .                                     | 488.8                                | 480.1                           | .                             | 540.5               |
| Russian Federation      | 346    | 346     | 100.0                          | 0.0                             | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 484.7                             | .                                  | .                                     | .                                    | .                               | .                             | .                   |
| Russian Federation 6hr+ | 163    | 163     | 100.0                          | 0.0                             | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 540.1                             | .                                  | .                                     | .                                    | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 98.8                           | 0.4                             | 0.8                                | 0.0                               | 4.0                          | 0.0                        | 0.0              | 460.4                             | 512.2                              | 375.6                                 | .                                    | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 137     | 97.2                           | 2.8                             | 0.0                                | 0.0                               | 0.9                          | 0.0                        | 2.2              | 431.0                             | 436.1                              | .                                     | .                                    | 445.3                           | .                             | 421.5               |
| United States           | 241    | 203     | 97.2                           | 2.8                             | 0.0                                | 0.0                               | 12.5                         | 0.0                        | 0.7              | 488.0                             | 414.5                              | .                                     | .                                    | 474.8                           | .                             | 551.6               |
| International Avg (n=9) | 1657   | 1557    | 91.3                           | 2.7                             | 0.6                                | 5.4                               | 6.0                          | 0.0                        | 0.9              | 470.2                             | 451.9                              | 437.4                                 | 474.2                                | 461.1                           | .                             | 476.2               |

Question: How difficult was it to fill <twelfth grade> teaching vacancies for this school year for the following subjects. Advanced mathematics  
Location: ScQ-12a (MCBG12A)

| Country                 | Sample | Valid N | 1.No<br>vacanc<br>ies<br>% | 2.Easy<br>to<br>fill<br>vacanc<br>ies<br>% | 3.Some<br>what<br>diffic<br>ult<br>% | 4.Very<br>diffic<br>ult<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.No<br>vacanc<br>ies<br>Mean | 2.Easy<br>to<br>fill<br>vacanc<br>ies<br>Mean | 3.Some<br>what<br>diffic<br>ult<br>Mean | 4.Very<br>diffic<br>ult<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------------|--|--------------------------------------|------------------------------|------------------------------|----------------------------|------------------|-------------------------------|---|---|---------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 67.8                       | 20.6                                       | 6.1                                  | 5.5                          | 7.7                          | 0.0                        | 0.6              | 461.4                         | 469.3   | 447.2                                   | 439.3                           | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 108     | 60.7                       | 33.3                                       | 4.9                                  | 1.0                          | 4.0                          | 0.0                        | 0.0              | 411.4                         | 433.3   | 435.4                                   | 533.4                           | 440.6                           | .                             | .                   |
| Lebanon                 | 251    | 241     | 65.8                       | 12.0                                       | 16.5                                 | 5.7                          | 0.0                          | 0.0                        | 4.3              | 529.4                         | 535.8   | 538.9                                   | 519.3                           | .                               | .                             | 547.4               |
| Norway                  | 133    | 109     | 45.1                       | 36.1                                       | 13.9                                 | 4.8                          | 21.3                         | 0.0                        | 0.4              | 458.2                         | 469.4   | 454.9                                   | 461.6                           | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 213     | 46.0                       | 52.4                                       | 1.0                                  | 0.6                          | 3.3                          | 0.0                        | 0.0              | 481.7                         | 483.4   | 448.9                                   | 488.5                           | 480.1                           | .                             | 468.6               |
| Russian Federation      | 346    | 345     | 73.9                       | 14.2                                       | 8.9                                  | 3.0                          | 0.0                          | 0.0                        | 0.4              | 486.8                         | 498.2   | 460.5                                   | 453.0                           | .                               | .                             | 392.6               |
| Russian Federation 6hr+ | 163    | 163     | 78.0                       | 12.5                                       | 3.9                                  | 5.6                          | 0.0                          | 0.0                        | 0.0              | 546.4                         | 507.1   | 532.2                                   | 531.5                           | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 78.9                       | 17.9                                       | 3.2                                  | 0.0                          | 4.0                          | 0.0                        | 0.0              | 458.9                         | 465.9   | 451.1                                   | .                               | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 138     | 49.4                       | 27.9                                       | 17.7                                 | 5.0                          | 0.9                          | 0.0                        | 0.0              | 431.1                         | 442.4   | 413.6                                   | 426.5                           | 445.3                           | .                             | .                   |
| United States           | 241    | 201     | 76.7                       | 11.6                                       | 8.9                                  | 2.8                          | 12.5                         | 0.0                        | 2.1              | 486.8                         | 497.3   | 471.8                                   | 452.5                           | 474.8                           | .                             | 514.1               |
| International Avg (n=9) | 1657   | 1552    | 62.7                       | 25.1                                       | 9.0                                  | 3.2                          | 6.0                          | 0.0                        | 0.9              | 467.3                         | 477.2   | 458.0                                   | 471.8                           | 461.1                           | .                             | 481.2               |

Question: How difficult was it to fill <twelfth grade> teaching vacancies for this school year for the following subjects. Physics  
Location: ScQ-12b (MCBG12B)

| Country                 | Sample | Valid N | 1.No<br>vacanc<br>ies<br>% | 2.Easy<br>to<br>fill<br>vacanc<br>ies<br>% | 3.Some<br>what<br>diffic<br>ult<br>% | 4.Very<br>diffic<br>ult<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.No<br>vacanc<br>ies<br>Mean | 2.Easy<br>to<br>fill<br>vacanc<br>ies<br>Mean | 3.Some<br>what<br>diffic<br>ult<br>Mean | 4.Very<br>diffic<br>ult<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------------|--|--------------------------------------|------------------------------|------------------------------|----------------------------|------------------|-------------------------------|---|---|---------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 71.8                       | 17.8                                       | 7.8                                  | 2.5                          | 7.7                          | 0.0                        | 0.6              | 460.7                         | 470.1   | 441.3                                   | 464.6                           | 480.9                           | .                             | 490.1               |
| Italy                   | 113    | 105     | 60.8                       | 32.4                                       | 5.8                                  | 1.1                          | 4.0                          | 0.0                        | 2.6              | 415.2                         | 434.5   | 422.8                                   | 533.4                           | 440.6                           | .                             | 350.4               |
| Lebanon                 | 251    | 244     | 62.6                       | 12.7                                       | 18.1                                 | 6.6                          | 0.0                          | 0.0                        | 3.1              | 529.3                         | 525.5   | 543.6                                   | 528.9                           | .                               | .                             | 547.7               |
| Norway                  | 133    | 109     | 65.0                       | 20.3                                       | 11.9                                 | 2.8                          | 21.3                         | 0.0                        | 0.4              | 460.3                         | 470.8   | 451.2                                   | 483.2                           | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 196     | 52.1                       | 45.4                                       | 1.6                                  | 0.9                          | 3.3                          | 0.0                        | 6.5              | 483.5                         | 484.6   | 460.6                                   | 463.4                           | 480.1                           | .                             | 466.9               |
| Russian Federation      | 346    | 336     | 73.9                       | 10.0                                       | 10.7                                 | 5.5                          | 0.0                          | 0.0                        | 3.0              | 487.9                         | 478.3   | 479.4                                   | 467.2                           | .                               | .                             | 477.6               |
| Russian Federation 6hr+ | 163    | 160     | 73.4                       | 10.1                                       | 9.3                                  | 7.3                          | 0.0                          | 0.0                        | 1.7              | 542.4                         | 518.2   | 549.1                                   | 538.4                           | .                               | .                             | 527.5               |
| Slovenia                | 69     | 65      | 89.9                       | 10.1                                       | 0.0                                  | 0.0                          | 4.0                          | 0.0                        | 0.0              | 461.6                         | 444.8   | .                                       | .                               | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 138     | 62.1                       | 19.3                                       | 12.3                                 | 6.3                          | 0.9                          | 0.0                        | 0.0              | 430.2                         | 449.7   | 413.7                                   | 414.7                           | 445.3                           | .                             | .                   |
| United States           | 241    | 201     | 72.9                       | 10.5                                       | 7.1                                  | 9.5                          | 12.5                         | 0.0                        | 2.1              | 492.5                         | 509.8   | 455.7                                   | 430.5                           | 474.8                           | .                             | 514.1               |
| International Avg (n=9) | 1657   | 1526    | 67.9                       | 19.8                                       | 8.4                                  | 3.9                          | 6.0                          | 0.0                        | 2.0              | 469.0                         | 474.2   | 458.5                                   | 473.2                           | 461.1                           | .                             | 474.5               |

Question: How difficult was it to fill <twelfth grade> teaching vacancies for this school year for the following subjects. Computer science/information technology

Location: ScQ-12c (MCBG12C)

| Country                 | Sample | Valid N | 1.No<br>vacanc<br>ies<br>% | 2.Easy<br>to<br>fill<br>vacanc<br>ies<br>% | 3.Some<br>what<br>diffic<br>ult<br>% | 4.Very<br>diffic<br>ult<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.No<br>vacanc<br>ies<br>Mean | 2.Easy<br>to<br>fill<br>vacanc<br>ies<br>Mean | 3.Some<br>what<br>diffic<br>ult<br>Mean | 4.Very<br>diffic<br>ult<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------------|--|--------------------------------------|------------------------------|------------------------------|----------------------------|------------------|-------------------------------|---|---|---------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 130     | 82.3                       | 9.5  | 7.5                                  | 0.8                          | 7.7                          | 0.0                        | 2.3              | 459.8                         | 472.3   | 450.0                                   | 481.1                           | 480.9                           | .                             | 488.0               |
| Italy                   | 113    | 100     | 49.1                       | 38.7                                       | 11.4                                 | 0.8                          | 4.0                          | 0.0                        | 7.7              | 414.1                         | 417.9   | 444.2                                   | 203.9                           | 440.6                           | .                             | 465.1               |
| Lebanon                 | 251    | 227     | 59.5                       | 19.4                                       | 16.7                                 | 4.4                          | 0.0                          | 0.0                        | 9.5              | 534.8                         | 532.2   | 525.4                                   | 499.1                           | .                               | .                             | 538.5               |
| Norway                  | 133    | 109     | 71.8                       | 13.6                                       | 14.2                                 | 0.5                          | 21.3                         | 0.0                        | 0.4              | 462.4                         | 477.5   | 445.4                                   | 444.2                           | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 183     | 51.2                       | 43.8                                       | 4.3                                  | 0.7                          | 3.3                          | 0.0                        | 13.0             | 480.8                         | 483.9   | 501.7                                   | 488.5                           | 480.1                           | .                             | 477.5               |
| Russian Federation      | 346    | 341     | 75.8                       | 14.3                                       | 9.2                                  | 0.7                          | 0.0                          | 0.0                        | 1.2              | 486.8                         | 482.5   | 480.3                                   | 462.7                           | .                               | .                             | 420.6               |
| Russian Federation 6hr+ | 163    | 161     | 73.7                       | 11.8                                       | 12.9                                 | 1.6                          | 0.0                          | 0.0                        | 0.8              | 540.9                         | 527.3   | 554.8                                   | 513.2                           | .                               | .                             | 474.5               |
| Slovenia                | 69     | 65      | 86.7                       | 10.9                                       | 1.0                                  | 1.5                          | 4.0                          | 0.0                        | 0.0              | 462.3                         | 442.4   | 484.8                                   | 431.2                           | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 136     | 73.4                       | 6.1  | 13.5                                 | 7.0                          | 0.9                          | 0.0                        | 0.6              | 434.2                         | 415.1   | 422.1                                   | 430.3                           | 445.3                           | .                             | 407.3               |
| United States           | 241    | 201     | 75.4                       | 10.9                                       | 9.1                                  | 4.5                          | 12.5                         | 0.0                        | 2.1              | 485.0                         | 501.3   | 484.7                                   | 461.9                           | 474.8                           | .                             | 514.1               |
| International Avg (n=9) | 1657   | 1492    | 69.5                       | 18.6                                       | 9.7                                  | 2.3                          | 6.0                          | 0.0                        | 4.1              | 468.9                         | 469.4   | 471.0                                   | 433.7                           | 461.1                           | .                             | 473.2               |



Question: How difficult was it to fill <twelfth grade> teaching vacancies for this school year for the following subjects. Other  
Location: ScQ-12d (MCBG12D)

| Country                 | Sample | Valid N | 1.No<br>vacanc<br>ies<br>% | 2.Easy<br>to<br>fill<br>vacanc<br>ies<br>% | 3.Some<br>what<br>diffic<br>ult<br>% | 4.Very<br>diffic<br>ult<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.No<br>vacanc<br>ies<br>Mean | 2.Easy<br>to<br>fill<br>vacanc<br>ies<br>Mean | 3.Some<br>what<br>diffic<br>ult<br>Mean | 4.Very<br>diffic<br>ult<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|----------------------------|--|--------------------------------------|------------------------------|------------------------------|----------------------------|------------------|-------------------------------|---|---|---------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 129     | 52.0                       | 27.0                                       | 15.6                                 | 5.4                          | 7.7                          | 0.0                        | 2.9              | 463.0                         | 459.0   | 455.3                                   | 456.7                           | 480.9                           | .                             | 484.7               |
| Italy                   | 113    | 52      | 18.9                       | 64.3                                       | 16.8                                 | 0.0                          | 4.0                          | 0.0                        | 49.3             | 446.0                         | 400.7   | 416.3                                   | .                               | 440.6                           | .                             | 430.0               |
| Lebanon                 | 251    | 160     | 55.5                       | 25.8                                       | 15.0                                 | 3.6                          | 0.0                          | 0.0                        | 33.8             | 534.1                         | 536.6   | 536.9                                   | 529.6                           | .                               | .                             | 525.8               |
| Norway                  | 133    | 109     | 19.3                       | 54.3                                       | 23.4                                 | 3.0                          | 21.3                         | 0.0                        | 0.4              | 460.4                         | 464.1   | 461.2                                   | 439.0                           | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 136     | 39.2                       | 51.2                                       | 6.5                                  | 3.0                          | 3.3                          | 0.0                        | 32.8             | 484.2                         | 482.3   | 489.7                                   | 478.8                           | 480.1                           | .                             | 480.2               |
| Russian Federation      | 346    | 313     | 57.3                       | 24.5                                       | 16.6                                 | 1.6                          | 0.0                          | 0.0                        | 7.4              | 480.6                         | 502.9   | 471.8                                   | 481.3                           | .                               | .                             | 484.8               |
| Russian Federation 6hr+ | 163    | 147     | 57.2                       | 24.2                                       | 16.9                                 | 1.6                          | 0.0                          | 0.0                        | 10.9             | 547.3                         | 549.1   | 509.2                                   | 551.3                           | .                               | .                             | 529.9               |
| Slovenia                | 69     | 65      | 66.7                       | 28.3                                       | 5.0                                  | 0.0                          | 4.0                          | 0.0                        | 0.0              | 451.9                         | 480.2   | 452.5                                   | .                               | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 138     | 13.6                       | 57.3                                       | 26.6                                 | 2.5                          | 0.9                          | 0.0                        | 0.0              | 410.9                         | 431.8   | 435.6                                   | 471.9                           | 445.3                           | .                             | .                   |
| United States           | 241    | 194     | 46.6                       | 35.3                                       | 13.2                                 | 4.9                          | 12.5                         | 0.0                        | 5.2              | 491.1                         | 489.9   | 457.6                                   | 473.4                           | 474.8                           | .                             | 503.2               |
| International Avg (n=9) | 1657   | 1296    | 41.0                       | 40.9                                       | 15.4                                 | 2.7                          | 6.0                          | 0.0                        | 14.6             | 469.1                         | 471.9   | 464.1                                   | 475.8                           | 461.1                           | .                             | 483.3               |

Question: Does your school currently use any incentives (e.g., pay, housing, signing bonus, smaller classes) to recruit or retain <twelfth grade> teachers in the following fields. Advanced mathematics

Location: ScQ-13a (MCBG13A)

| Country                 | Sample | Valid N | 1.Yes<br>% | 2.No<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Yes<br>Mean | 2.No<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|------------|-----------|------------------------------|----------------------------|------------------|---------------|--------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 1.5        | 98.5      | 7.7                          | 0.0                        | 0.9              | 439.1         | 461.7        | 480.9                           | .                             | 433.6               |
| Italy                   | 113    | 107     | 1.8        | 98.2      | 4.0                          | 0.0                        | 0.3              | 355.2         | 422.4        | 440.6                           | .                             | 420.3               |
| Lebanon                 | 251    | 239     | 36.5       | 63.5      | 0.0                          | 0.0                        | 4.4              | 537.6         | 528.8        | .                               | .                             | 528.6               |
| Norway                  | 133    | 109     | 14.6       | 85.4      | 21.3                         | 0.0                        | 0.4              | 480.8         | 458.8        | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 214     | 1.1        | 98.9      | 3.3                          | 0.0                        | 0.0              | 468.6         | 482.5        | 480.1                           | .                             | .                   |
| Russian Federation      | 346    | 345     | 70.9       | 29.1      | 0.0                          | 0.0                        | 0.1              | 488.6         | 474.1        | .                               | .                             | 740.8               |
| Russian Federation 6hr+ | 163    | 162     | 79.1       | 20.9      | 0.0                          | 0.0                        | 0.5              | 548.2         | 504.2        | .                               | .                             | 740.8               |
| Slovenia                | 69     | 65      | 0.0        | 100.0     | 4.0                          | 0.0                        | 0.0              | .             | 459.9        | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 138     | 5.7        | 94.3      | 0.9                          | 0.0                        | 0.0              | 415.3         | 431.9        | 445.3                           | .                             | .                   |
| United States           | 241    | 201     | 7.1        | 92.9      | 12.5                         | 0.0                        | 2.0              | 453.3         | 488.8        | 474.8                           | .                             | 493.5               |
| International Avg (n=9) | 1657   | 1550    | 15.5       | 84.5      | 6.0                          | 0.0                        | 0.9              | 454.8         | 467.7        | 461.1                           | .                             | 515.3               |

Question: Does your school currently use any incentives (e.g., pay, housing, signing bonus, smaller classes) to recruit or retain <twelfth grade> teachers in the following fields. Physics

Location: ScQ-13b (MCBG13B)

| Country                 | Sample | Valid N | 1.Yes<br>% | 2.No<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Yes<br>Mean | 2.No<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|------------|-----------|------------------------------|----------------------------|------------------|---------------|--------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 132     | 1.5        | 98.5      | 7.7                          | 0.0                        | 0.9              | 439.1         | 461.7        | 480.9                           | .                             | 433.6               |
| Italy                   | 113    | 106     | 1.1        | 98.9      | 4.0                          | 0.0                        | 1.1              | 412.9         | 421.9        | 440.6                           | .                             | 360.6               |
| Lebanon                 | 251    | 239     | 35.5       | 64.5      | 0.0                          | 0.0                        | 4.4              | 537.7         | 528.9        | .                               | .                             | 528.6               |
| Norway                  | 133    | 109     | 14.3       | 85.7      | 21.3                         | 0.0                        | 0.4              | 481.6         | 458.7        | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 203     | 2.2        | 97.8      | 3.3                          | 0.0                        | 4.0              | 465.1         | 483.5        | 480.1                           | .                             | 465.5               |
| Russian Federation      | 346    | 341     | 64.4       | 35.6      | 0.0                          | 0.0                        | 1.2              | 485.4         | 479.9        | .                               | .                             | 589.3               |
| Russian Federation 6hr+ | 163    | 161     | 77.1       | 22.9      | 0.0                          | 0.0                        | 1.1              | 548.4         | 505.4        | .                               | .                             | 676.3               |
| Slovenia                | 69     | 65      | 0.0        | 100.0     | 4.0                          | 0.0                        | 0.0              | .             | 459.9        | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 138     | 6.5        | 93.5      | 0.9                          | 0.0                        | 0.0              | 417.8         | 431.9        | 445.3                           | .                             | .                   |
| United States           | 241    | 201     | 7.5        | 92.5      | 12.5                         | 0.0                        | 2.0              | 462.5         | 488.2        | 474.8                           | .                             | 493.5               |
| International Avg (n=9) | 1657   | 1534    | 14.8       | 85.2      | 6.0                          | 0.0                        | 1.6              | 462.8         | 468.3        | 461.1                           | .                             | 478.0               |

Question: Does your school currently use any incentives (e.g., pay, housing, signing bonus, smaller classes) to recruit or retain <twelfth grade> teachers in the following fields. Computer science/information technology

Location: ScQ-13c (MCBG13C)

| Country                 | Sample | Valid N | 1.Yes<br>% | 2.No<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Yes<br>Mean | 2.No<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|------------|-----------|------------------------------|----------------------------|------------------|---------------|--------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 131     | 1.5        | 98.5      | 7.7                          | 0.0                        | 1.6              | 439.1         | 461.5        | 480.9                           | .                             | 462.1               |
| Italy                   | 113    | 103     | 1.9        | 98.1      | 4.0                          | 0.0                        | 3.8              | 355.2         | 420.8        | 440.6                           | .                             | 459.8               |
| Lebanon                 | 251    | 233     | 27.0       | 73.0      | 0.0                          | 0.0                        | 6.9              | 533.9         | 531.8        | .                               | .                             | 525.6               |
| Norway                  | 133    | 109     | 6.8        | 93.2      | 21.3                         | 0.0                        | 0.4              | 474.5         | 461.1        | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 192     | 0.7        | 99.3      | 3.3                          | 0.0                        | 10.1             | 489.0         | 483.3        | 480.1                           | .                             | 473.7               |
| Russian Federation      | 346    | 345     | 65.3       | 34.7      | 0.0                          | 0.0                        | 0.1              | 489.3         | 475.3        | .                               | .                             | 740.8               |
| Russian Federation 6hr+ | 163    | 162     | 76.4       | 23.6      | 0.0                          | 0.0                        | 0.5              | 549.2         | 505.9        | .                               | .                             | 740.8               |
| Slovenia                | 69     | 65      | 0.4        | 99.6      | 4.0                          | 0.0                        | 0.0              | 472.4         | 459.8        | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 138     | 2.0        | 98.0      | 0.9                          | 0.0                        | 0.0              | 427.6         | 431.0        | 445.3                           | .                             | .                   |
| United States           | 241    | 201     | 3.3        | 96.7      | 12.5                         | 0.0                        | 2.0              | 462.3         | 487.1        | 474.8                           | .                             | 493.5               |
| International Avg (n=9) | 1657   | 1517    | 12.1       | 87.9      | 6.0                          | 0.0                        | 2.8              | 460.4         | 468.0        | 461.1                           | .                             | 518.6               |

Question: Does your school currently use any incentives (e.g., pay, housing, signing bonus, smaller classes) to recruit or retain <twelfth grade> teachers in the following fields. Other

Location: ScQ-13d (MCBG13D)

| Country                 | Sample | Valid N | 1.Yes<br>% | 2.No<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Yes<br>Mean | 2.No<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|------------|-----------|------------------------------|----------------------------|------------------|---------------|--------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 129     | 1.5        | 98.5      | 7.7                          | 0.0                        | 2.8              | 439.1         | 461.2        | 480.9                           | .                             | 470.3               |
| Italy                   | 113    | 60      | 0.0        | 100.0     | 4.0                          | 0.0                        | 42.1             | .             | 411.7        | 440.6                           | .                             | 433.3               |
| Lebanon                 | 251    | 191     | 28.3       | 71.7      | 0.0                          | 0.0                        | 23.7             | 535.8         | 533.7        | .                               | .                             | 524.0               |
| Norway                  | 133    | 109     | 12.1       | 87.9      | 21.3                         | 0.0                        | 0.4              | 468.5         | 461.1        | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 174     | 1.4        | 98.6      | 3.3                          | 0.0                        | 19.3             | 468.6         | 481.6        | 480.1                           | .                             | 486.0               |
| Russian Federation      | 346    | 338     | 62.3       | 37.7      | 0.0                          | 0.0                        | 1.7              | 489.3         | 476.4        | .                               | .                             | 494.9               |
| Russian Federation 6hr+ | 163    | 160     | 68.9       | 31.1      | 0.0                          | 0.0                        | 1.4              | 549.0         | 518.7        | .                               | .                             | 577.6               |
| Slovenia                | 69     | 65      | 0.0        | 100.0     | 4.0                          | 0.0                        | 0.0              | .             | 459.9        | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 138     | 4.3        | 95.7      | 0.9                          | 0.0                        | 0.0              | 398.8         | 432.4        | 445.3                           | .                             | .                   |
| United States           | 241    | 197     | 5.4        | 94.6      | 12.5                         | 0.0                        | 3.6              | 470.2         | 487.1        | 474.8                           | .                             | 492.3               |
| International Avg (n=9) | 1657   | 1401    | 12.8       | 87.2      | 6.0                          | 0.0                        | 10.4             | 467.2         | 467.2        | 461.1                           | .                             | 482.2               |

Question: To what degree is each of the following a problem among teachers in your school. Arriving late or leaving early  
Location: ScQ-14a (MCBG14A)

| Country                 | Sample | Valid N | 1.Not<br>a<br>proble<br>m<br>% | 2.Mino<br>r<br>proble<br>m<br>% | 3.Mode<br>rate<br>proble<br>m<br>% | 4.Seri<br>ous<br>proble<br>m<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>a<br>proble<br>m<br>Mean | 2.Mino<br>r<br>proble<br>m<br>Mean | 3.Mode<br>rate<br>proble<br>m<br>Mean | 4.Seri<br>ous<br>proble<br>m<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------|------------------|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 130     | 65.8                           | 19.8                            | 9.2                                | 5.2                               | 7.7                          | 0.0                        | 2.3              | 463.3                             | 467.1                              | 445.0                                 | 442.5                                | 480.9                           | .                             | 454.4               |
| Italy                   | 113    | 105     | 31.0                           | 46.8                            | 16.9                               | 5.3                               | 4.0                          | 0.0                        | 2.9              | 428.7                             | 427.9                              | 395.3                                 | 353.4                                | 440.6                           | .                             | 500.5               |
| Lebanon                 | 251    | 246     | 55.2                           | 27.5                            | 6.6                                | 10.7                              | 0.5                          | 0.0                        | 1.7              | 536.5                             | 532.4                              | 521.9                                 | 510.5                                | 548.3                           | .                             | 540.4               |
| Norway                  | 133    | 109     | 66.8                           | 32.0                            | 1.2                                | 0.0                               | 21.3                         | 0.0                        | 0.4              | 467.9                             | 449.1                              | 474.9                                 | .                                    | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 212     | 56.8                           | 30.4                            | 10.3                               | 2.5                               | 3.3                          | 0.0                        | 1.4              | 482.2                             | 483.6                              | 485.5                                 | 471.9                                | 480.1                           | .                             | 456.8               |
| Russian Federation      | 346    | 346     | 85.5                           | 13.8                            | 0.7                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 483.1                             | 489.6                              | 575.2                                 | .                                    | .                               | .                             | .                   |
| Russian Federation 6hr+ | 163    | 163     | 78.2                           | 20.7                            | 1.0                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 536.9                             | 546.3                              | 653.8                                 | .                                    | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 65.3                           | 28.2                            | 6.4                                | 0.0                               | 4.0                          | 0.0                        | 0.0              | 460.3                             | 464.4                              | 436.3                                 | .                                    | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 138     | 66.8                           | 27.9                            | 5.3                                | 0.0                               | 0.9                          | 0.0                        | 0.0              | 435.2                             | 421.7                              | 426.5                                 | .                                    | 445.3                           | .                             | .                   |
| United States           | 241    | 202     | 68.7                           | 30.0                            | 1.1                                | 0.1                               | 12.5                         | 0.0                        | 1.0              | 489.1                             | 478.4                              | 474.9                                 | 444.8                                | 474.8                           | .                             | 547.6               |
| International Avg (n=9) | 1657   | 1553    | 62.4                           | 28.5                            | 6.4                                | 2.6                               | 6.0                          | 0.0                        | 1.1              | 471.8                             | 468.3                              | 470.6                                 | 444.6                                | 472.0                           | .                             | 495.8               |

Question: To what degree is each of the following a problem among teachers in your school. Absenteeism  
 Location: ScQ-14b (MCBG14B)

| Country                 | Sample | Valid N | 1.Not<br>a<br>proble<br>m<br>% | 2.Mino<br>r<br>proble<br>m<br>% | 3.Mode<br>rate<br>proble<br>m<br>% | 4.Seri<br>ous<br>proble<br>m<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Not<br>a<br>proble<br>m<br>Mean | 2.Mino<br>r<br>proble<br>m<br>Mean | 3.Mode<br>rate<br>proble<br>m<br>Mean | 4.Seri<br>ous<br>proble<br>m<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|--------------------------------|---------------------------------|------------------------------------|-----------------------------------|------------------------------|----------------------------|------------------|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 131     | 55.6                           | 27.0                            | 10.3                               | 7.1                               | 7.7                          | 0.0                        | 1.4              | 463.5                             | 464.6                              | 455.7                                 | 436.1                                | 480.9                           | .                             | 467.3               |
| Italy                   | 113    | 107     | 38.2                           | 37.1                            | 13.7                               | 11.1                              | 4.0                          | 0.0                        | 0.8              | 442.2                             | 411.8                              | 405.9                                 | 393.9                                | 440.6                           | .                             | 486.2               |
| Lebanon                 | 251    | 244     | 42.8                           | 36.1                            | 9.7                                | 11.3                              | 0.5                          | 0.0                        | 2.5              | 540.3                             | 523.3                              | 547.0                                 | 507.9                                | 548.3                           | .                             | 556.4               |
| Norway                  | 133    | 109     | 62.0                           | 34.3                            | 3.7                                | 0.0                               | 21.3                         | 0.0                        | 0.4              | 468.9                             | 451.3                              | 445.5                                 | .                                    | 448.7                           | .                             | 474.7               |
| Portugal                | 221    | 213     | 46.0                           | 46.3                            | 4.6                                | 3.2                               | 3.3                          | 0.0                        | 0.4              | 482.2                             | 484.1                              | 473.7                                 | 476.7                                | 480.1                           | .                             | 441.0               |
| Russian Federation      | 346    | 344     | 98.5                           | 1.5                             | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.3              | 484.6                             | 505.2                              | .                                     | .                                    | .                               | .                             | 417.9               |
| Russian Federation 6hr+ | 163    | 163     | 97.7                           | 2.3                             | 0.0                                | 0.0                               | 0.0                          | 0.0                        | 0.0              | 541.0                             | 500.8                              | .                                     | .                                    | .                               | .                             | .                   |
| Slovenia                | 69     | 65      | 39.0                           | 45.1                            | 15.9                               | 0.0                               | 4.0                          | 0.0                        | 0.0              | 469.5                             | 451.9                              | 459.1                                 | .                                    | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 138     | 46.4                           | 46.6                            | 7.1                                | 0.0                               | 0.9                          | 0.0                        | 0.0              | 429.2                             | 430.7                              | 443.8                                 | .                                    | 445.3                           | .                             | .                   |
| United States           | 241    | 202     | 62.9                           | 32.8                            | 4.0                                | 0.3                               | 12.5                         | 0.0                        | 1.0              | 494.1                             | 470.8                              | 475.0                                 | 496.1                                | 474.8                           | .                             | 547.6               |
| International Avg (n=9) | 1657   | 1553    | 54.6                           | 34.1                            | 7.7                                | 3.7                               | 6.0                          | 0.0                        | 0.8              | 474.9                             | 466.0                              | 463.2                                 | 462.2                                | 472.0                           | .                             | 484.4               |

Question: By the end of this school year, how many years will you have been a principal altogether  
Location: ScQ-15 (MCBG15)

| Country                 | Sample | Valid N | Not<br>Adm.<br>% | Not<br>App.<br>% | Omitt<br>ed<br>% | Mean | Mode | Min | P5  | P10 | Q1  | Median | Q3   | P90  | P95  | Max  |
|-------------------------|--------|---------|------------------|------------------|------------------|------|------|-----|-----|-----|-----|--------|------|------|------|------|
| France                  | 144    | 132     | 7.7              | 0.0              | 0.6              | 10.4 | 3.0  | 1.0 | 1.0 | 3.0 | 4.0 | 8.0    | 14.0 | 20.0 | 27.0 | 50.0 |
| Italy                   | 113    | 107     | 4.0              | 0.0              | 0.6              | 11.0 | 8.0  | 1.0 | 2.0 | 3.0 | 7.0 | 9.0    | 14.0 | 22.0 | 24.0 | 29.0 |
| Lebanon                 | 251    | 241     | 0.0              | 0.0              | 5.2              | 13.7 | 6.0  | 0.0 | 1.0 | 2.0 | 5.0 | 11.0   | 20.0 | 30.0 | 33.0 | 48.0 |
| Norway                  | 133    | 109     | 21.3             | 0.0              | 0.5              | 15.5 | 20.0 | 1.0 | 3.0 | 5.0 | 9.0 | 14.0   | 21.0 | 28.0 | 30.0 | 37.0 |
| Portugal                | 221    | 210     | 3.3              | 0.0              | 2.8              | 11.0 | 6.0  | 0.0 | 1.0 | 2.0 | 5.0 | 10.0   | 16.0 | 23.0 | 26.0 | 32.0 |
| Russian Federation      | 346    | 346     | 0.0              | 0.0              | 0.0              | 11.7 | 10.0 | 0.0 | 2.0 | 3.0 | 5.0 | 10.0   | 15.0 | 23.0 | 28.0 | 59.0 |
| Russian Federation 6hr+ | 163    | 163     | 0.0              | 0.0              | 0.0              | 13.6 | 10.0 | 1.0 | 2.0 | 3.0 | 6.0 | 11.0   | 19.0 | 25.0 | 30.0 | 59.0 |
| Slovenia                | 69     | 65      | 4.0              | 0.0              | 0.0              | 10.5 | 3.0  | 1.0 | 2.0 | 3.0 | 4.0 | 8.0    | 16.0 | 24.0 | 25.0 | 28.0 |
| Sweden                  | 139    | 137     | 0.9              | 0.0              | 1.5              | 8.6  | 5.0  | 1.0 | 1.0 | 2.0 | 5.0 | 7.0    | 12.0 | 17.0 | 20.0 | 23.0 |
| United States           | 241    | 199     | 12.5             | 0.0              | 3.1              | 8.9  | 2.0  | 0.0 | 1.0 | 1.0 | 3.0 | 8.0    | 12.0 | 18.0 | 25.0 | 41.0 |
| International Avg (n=9) | 1657   | 1546    | 6.0              | 0.0              | 1.6              | 11.3 | 7.0  | 0.6 | 1.6 | 2.7 | 5.2 | 9.4    | 15.6 | 22.8 | 26.4 | 38.6 |



Question: By the end of this school year, how many years will you have been a principal at this school  
Location: ScQ-16 (MCBG16)

| Country                 | Sample | Valid N | Not<br>Adm.<br>% | Not<br>App.<br>% | Omitt<br>ed<br>% | Mean | Mode | Min | P5  | P10 | Q1  | Median | Q3   | P90  | P95  | Max  |
|-------------------------|--------|---------|------------------|------------------|------------------|------|------|-----|-----|-----|-----|--------|------|------|------|------|
| France                  | 144    | 132     | 7.7              | 0.0              | 0.6              | 3.8  | 3.0  | 1.0 | 1.0 | 1.0 | 2.0 | 3.0    | 5.0  | 7.0  | 8.0  | 14.0 |
| Italy                   | 113    | 106     | 4.0              | 0.0              | 1.7              | 4.6  | 3.0  | 1.0 | 1.0 | 1.0 | 2.0 | 3.0    | 7.0  | 8.0  | 10.0 | 21.0 |
| Lebanon                 | 251    | 229     | 0.0              | 0.0              | 8.4              | 10.1 | 3.0  | 0.0 | 1.0 | 1.0 | 3.0 | 7.0    | 15.0 | 23.0 | 30.0 | 42.0 |
| Norway                  | 133    | 109     | 21.3             | 0.0              | 0.5              | 8.8  | 7.0  | 0.0 | 1.0 | 1.0 | 3.0 | 7.0    | 10.0 | 19.0 | 28.0 | 37.0 |
| Portugal                | 221    | 210     | 3.3              | 0.0              | 2.8              | 8.5  | 2.0  | 0.0 | 1.0 | 1.0 | 2.0 | 6.0    | 13.0 | 20.0 | 23.0 | 32.0 |
| Russian Federation      | 346    | 345     | 0.0              | 0.0              | 0.8              | 10.0 | 10.0 | 0.0 | 1.0 | 2.0 | 4.0 | 8.0    | 14.0 | 22.0 | 25.0 | 40.0 |
| Russian Federation 6hr+ | 163    | 163     | 0.0              | 0.0              | 0.0              | 12.5 | 3.0  | 1.0 | 2.0 | 3.0 | 6.0 | 10.0   | 18.0 | 23.0 | 27.0 | 40.0 |
| Slovenia                | 69     | 65      | 4.0              | 0.0              | 0.0              | 9.6  | 3.0  | 1.0 | 1.0 | 2.0 | 4.0 | 8.0    | 13.0 | 19.0 | 24.0 | 25.0 |
| Sweden                  | 139    | 138     | 0.9              | 0.0              | 0.0              | 4.9  | 2.0  | 0.0 | 1.0 | 1.0 | 2.0 | 4.0    | 7.0  | 11.0 | 15.0 | 20.0 |
| United States           | 241    | 199     | 12.5             | 0.0              | 3.1              | 6.2  | 2.0  | 0.0 | 1.0 | 1.0 | 2.0 | 5.0    | 8.0  | 14.0 | 15.0 | 41.0 |
| International Avg (n=9) | 1657   | 1533    | 6.0              | 0.0              | 2.0              | 7.4  | 3.9  | 0.3 | 1.0 | 1.2 | 2.7 | 5.7    | 10.2 | 15.9 | 19.8 | 30.2 |

Question: What is the highest level of formal education you have completed  
 Location: ScQ-17 (MCBG17)

| Country                 | Sample | Valid N | 1.No<br>bachel<br>or's<br>or<br>equiva<br>lent<br>% | 2.Bach<br>elor's<br>or<br>equiva<br>lent<br>% | 3.Mast<br>er's<br>or<br>equiva<br>lent<br>% | 4.Doct<br>or or<br>equiva<br>lent<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.No<br>bachel<br>or's<br>or<br>equiva<br>lent<br>Mean | 2.Bach<br>elor's<br>or<br>equiva<br>lent<br>Mean | 3.Mast<br>er's<br>or<br>equiva<br>lent<br>Mean | 4.Doct<br>or or<br>equiva<br>lent<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|---|---|---|--|------------------------------|----------------------------|------------------|--|--|--|---|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 131     | 1.5   | 25.2  | 62.9  | 10.4                                   | 7.7                          | 0.0                        | 1.0              | 446.2  | 459.0  | 463.7  | 454.0                                     | 480.9                           | .                             | 453.3               |
| Italy                   | 113    | 103     | 4.0   | 68.9  | 21.7  | 5.4                                    | 4.0                          | 0.0                        | 5.5              | 467.0  | 421.8  | 417.6  | 415.3                                     | 440.6                           | .                             | 402.0               |
| Lebanon                 | 251    | 242     | 2.7   | 26.7  | 56.1  | 14.5                                   | 1.8                          | 0.0                        | 2.4              | 518.3  | 539.2  | 524.9  | 544.2                                     | 554.6                           | .                             | 536.5               |
| Norway                  | 133    | 110     | 0.0   | 29.8  | 69.1  | 1.1                                    | 21.3                         | 0.0                        | 0.3              | .  | 447.2  | 468.4  | 453.3                                     | 448.7                           | .                             | 490.1               |
| Portugal                | 221    | 214     | 0.0   | 61.9  | 33.8  | 4.3                                    | 3.3                          | 0.0                        | 0.0              | .  | 482.1  | 480.0  | 503.3                                     | 480.1                           | .                             | .                   |
| Russian Federation      | 346    | 342     | 0.0   | 15.4  | 75.8  | 8.8                                    | 0.0                          | 0.0                        | 0.9              | .  | 471.0  | 484.2  | 503.2                                     | .                               | .                             | 577.5               |
| Russian Federation 6hr+ | 163    | 161     | 0.0   | 9.5   | 75.8  | 14.7                                   | 0.0                          | 0.0                        | 0.6              | .  | 498.6  | 539.8  | 571.7                                     | .                               | .                             | 460.8               |
| Slovenia                | 69     | 65      | 0.0   | 0.0   | 97.0  | 3.0                                    | 4.0                          | 0.0                        | 0.0              | .  | .  | 459.8  | 462.4                                     | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 137     | 4.2   | 47.1  | 47.2  | 1.5                                    | 0.9                          | 0.0                        | 0.5              | 409.6  | 435.1  | 429.9  | 390.1                                     | 445.3                           | .                             | 435.7               |
| United States           | 241    | 200     | 0.0   | 1.0   | 87.0  | 12.0                                   | 12.5                         | 0.0                        | 2.5              | .  | 555.9  | 483.3  | 500.7                                     | 474.8                           | .                             | 497.9               |
| International Avg (n=9) | 1657   | 1544    | 1.4   | 30.7  | 61.2  | 6.8                                    | 6.2                          | 0.0                        | 1.5              | 460.3  | 476.4  | 468.0  | 469.6                                     | 472.8                           | .                             | 484.7               |

Question: Do you hold the following degrees in educational leadership. <Master's or equivalent level-ISCED Level 7>  
Location: ScQ-18a (MCBG18A)

| Country                 | Sample | Valid N | 1.Yes<br>% | 2.No<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Yes<br>Mean | 2.No<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|------------|-----------|------------------------------|----------------------------|------------------|---------------|--------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 128     | 17.9       | 82.1      | 7.7                          | 0.0                        | 3.5              | 462.0         | 462.1        | 480.9                           | .                             | 437.4               |
| Italy                   | 113    | 98      | 28.0       | 72.0      | 4.0                          | 0.0                        | 7.3              | 414.0         | 429.5        | 440.6                           | .                             | 372.4               |
| Lebanon                 | 251    | 235     | 57.1       | 42.9      | 0.0                          | 0.0                        | 8.8              | 527.4         | 531.7        | .                               | .                             | 558.9               |
| Norway                  | 133    | 110     | 38.0       | 62.0      | 21.3                         | 0.0                        | 0.3              | 469.9         | 457.1        | 448.7                           | .                             | 490.1               |
| Portugal                | 221    | 211     | 24.8       | 75.2      | 3.3                          | 0.0                        | 1.6              | 484.0         | 483.2        | 480.1                           | .                             | 421.5               |
| Russian Federation      | 346    | 337     | 9.3        | 90.7      | 0.0                          | 0.0                        | 2.9              | 545.5         | 476.8        | .                               | .                             | 533.4               |
| Russian Federation 6hr+ | 163    | 159     | 25.4       | 74.6      | 0.0                          | 0.0                        | 3.2              | 561.0         | 532.7        | .                               | .                             | 545.2               |
| Slovenia                | 69     | 65      | 20.0       | 80.0      | 4.0                          | 0.0                        | 0.0              | 454.2         | 461.3        | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 114     | 29.2       | 70.8      | 0.9                          | 0.0                        | 14.2             | 433.1         | 430.1        | 445.3                           | .                             | 431.0               |
| United States           | 241    | 200     | 84.6       | 15.4      | 12.5                         | 0.0                        | 2.5              | 489.4         | 467.9        | 474.8                           | .                             | 497.9               |
| International Avg (n=9) | 1657   | 1498    | 34.3       | 65.7      | 6.0                          | 0.0                        | 4.6              | 475.5         | 466.6        | 461.1                           | .                             | 467.8               |

Question: Do you hold the following degrees in educational leadership. <Doctor or equivalent level-ISCED Level 8>  
Location: ScQ-18b (MCBG18B)

| Country                 | Sample | Valid N | 1.Yes<br>% | 2.No<br>% | Not<br>Admini<br>stered<br>% | Not<br>Applic<br>able<br>% | Omitte<br>d<br>% | 1.Yes<br>Mean | 2.No<br>Mean | Not<br>Admini<br>stered<br>Mean | Not<br>Applic<br>able<br>Mean | Omitte<br>d<br>Mean |
|-------------------------|--------|---------|------------|-----------|------------------------------|----------------------------|------------------|---------------|--------------|---------------------------------|-------------------------------|---------------------|
| France                  | 144    | 125     | 2.4        | 97.6      | 7.7                          | 0.0                        | 5.5              | 404.8         | 463.8        | 480.9                           | .                             | 441.7               |
| Italy                   | 113    | 84      | 1.8        | 98.2      | 4.0                          | 0.0                        | 21.6             | 360.0         | 423.6        | 440.6                           | .                             | 416.8               |
| Lebanon                 | 251    | 138     | 15.7       | 84.3      | 0.0                          | 0.0                        | 43.9             | 549.6         | 528.4        | .                               | .                             | 532.0               |
| Norway                  | 133    | 109     | 0.2        | 99.8      | 21.3                         | 0.0                        | 1.4              | 450.3         | 461.6        | 448.7                           | .                             | 490.3               |
| Portugal                | 221    | 166     | 0.5        | 99.5      | 3.3                          | 0.0                        | 22.7             | 474.3         | 485.4        | 480.1                           | .                             | 472.5               |
| Russian Federation      | 346    | 338     | 2.9        | 97.1      | 0.0                          | 0.0                        | 2.8              | 481.3         | 484.2        | .                               | .                             | 503.5               |
| Russian Federation 6hr+ | 163    | 161     | 5.6        | 94.4      | 0.0                          | 0.0                        | 0.8              | 543.2         | 539.2        | .                               | .                             | 615.7               |
| Slovenia                | 69     | 65      | 0.0        | 100.0     | 4.0                          | 0.0                        | 0.0              | .             | 459.9        | 457.3                           | .                             | .                   |
| Sweden                  | 139    | 103     | 0.0        | 100.0     | 0.9                          | 0.0                        | 20.7             | .             | 430.9        | 445.3                           | .                             | 431.0               |
| United States           | 241    | 191     | 11.5       | 88.5      | 12.5                         | 0.0                        | 6.3              | 496.5         | 484.6        | 474.8                           | .                             | 492.8               |
| International Avg (n=9) | 1657   | 1319    | 3.9        | 96.1      | 6.0                          | 0.0                        | 13.9             | 459.5         | 469.2        | 461.1                           | .                             | 472.6               |

Question: School Composition by Student Background  
 Location: Derived (MCDG03)

| Country                 | Sample | Valid N | 1.<br>More<br>affluent<br>% | 2.<br>Neither<br>% | 3.<br>More<br>disadvantaged<br>% | Missin<br>g<br>% | Not<br>admini<br>stered<br>% | Not<br>applic<br>able<br>% | 1.<br>More<br>affluent<br>Mean | 2.<br>Neither<br>Mean | 3.<br>More<br>disadv<br>antaged<br>Mean | Missin<br>g<br>Mean | Not<br>admini<br>stered<br>Mean | Not<br>applic<br>able<br>Mean |
|-------------------------|--------|---------|-----------------------------|--------------------|----------------------------------|------------------|------------------------------|----------------------------|--------------------------------|-----------------------|---|---------------------|---------------------------------|-------------------------------|
| France                  | 144    | 132     | 49.7                        | 28.4               | 21.9                             | 8.3              | 0.0                          | 0.0                        | 471.1                          | 461.6                 | 437.1                                   | 481.6               | .                               | .                             |
| Italy                   | 113    | 104     | 48.4                        | 39.8               | 11.7                             | 7.4              | 0.0                          | 0.0                        | 442.3                          | 423.0                 | 330.5                                   | 427.8               | .                               | .                             |
| Lebanon                 | 251    | 225     | 33.6                        | 29.2               | 37.2                             | 7.5              | 0.0                          | 0.0                        | 554.0                          | 529.5                 | 515.0                                   | 525.9               | .                               | .                             |
| Norway                  | 133    | 104     | 76.6                        | 22.4               | 1.0                              | 25.3             | 0.0                          | 0.0                        | 468.1                          | 447.2                 | 427.5                                   | 448.0               | .                               | .                             |
| Portugal                | 221    | 185     | 17.9                        | 36.1               | 46.0                             | 17.2             | 0.0                          | 0.0                        | 490.2                          | 479.5                 | 475.9                                   | 494.4               | .                               | .                             |
| Russian Federation      | 346    | 321     | 80.2                        | 14.7               | 5.1                              | 7.7              | 0.0                          | 0.0                        | 492.5                          | 453.6                 | 441.6                                   | 490.7               | .                               | .                             |
| Russian Federation 6hr+ | 163    | 153     | 90.9                        | 7.7                | 1.4                              | 5.9              | 0.0                          | 0.0                        | 545.6                          | 507.3                 | 403.6                                   | 531.3               | .                               | .                             |
| Slovenia                | 69     | 64      | 64.2                        | 24.3               | 11.5                             | 5.8              | 0.0                          | 0.0                        | 473.6                          | 438.4                 | 426.8                                   | 461.8               | .                               | .                             |
| Sweden                  | 139    | 121     | 80.1                        | 13.0               | 6.9                              | 16.1             | 0.0                          | 0.0                        | 441.9                          | 378.9                 | 373.6                                   | 442.0               | .                               | .                             |
| United States           | 241    | 203     | 33.6                        | 27.9               | 38.4                             | 14.4             | 0.0                          | 0.0                        | 508.5                          | 498.0                 | 457.8                                   | 478.5               | .                               | .                             |
| International Avg (n=9) | 1657   | 1459    | 53.8                        | 26.2               | 20.0                             | 12.2             | 0.0                          | 0.0                        | 482.5                          | 456.6                 | 431.8                                   | 472.3               | .                               | .                             |

Question: Total Instructional Hours per Year  
 Location: Derived (MCDG07HY)

| Country                 | Sample | Valid N | Not<br>Adm.<br>% | Not<br>App.<br>% | Omitt<br>ed<br>% | Mean  | Mode  | Min   | P5    | P10   | Q1    | Median | Q3    | P90  | P95  | Max  |
|-------------------------|--------|---------|------------------|------------------|------------------|-------|-------|-------|-------|-------|-------|--------|-------|------|------|------|
| France                  | 144    | 128     | 0.0              | 0.0              | 10.7             | 1340  | 1320  | 630.0 | 991.7 | 1040  | 1173  | 1296   | 1440  | 1710 | 1840 | 2700 |
| Italy                   | 113    | 92      | 0.0              | 0.0              | 18.7             | 1036  | 1000  | 854.0 | 933.3 | 947.3 | 973.8 | 1010   | 1113  | 1200 | 1253 | 1260 |
| Lebanon                 | 251    | 251     | 0.0              | 0.0              | 0.0              | 930.9 | 816.7 | 700.0 | 750.0 | 816.7 | 840.0 | 912.0  | 1000  | 1066 | 1187 | 1283 |
| Norway                  | 133    | 108     | 0.0              | 0.0              | 22.3             | 1033  | 1140  | 712.5 | 810.0 | 855.0 | 864.0 | 1050   | 1140  | 1140 | 1203 | 1853 |
| Portugal                | 221    | 184     | 0.0              | 0.0              | 15.9             | 1073  | 765.0 | 489.0 | 618.8 | 680.0 | 750.0 | 1040   | 1290  | 1530 | 1620 | 2610 |
| Russian Federation      | 346    | 310     | 0.0              | 0.0              | 10.3             | 913.9 | 918.0 | 660.0 | 765.0 | 793.3 | 816.0 | 918.0  | 945.0 | 1071 | 1162 | 1640 |
| Russian Federation 6hr+ | 163    | 142     | 0.0              | 0.0              | 15.7             | 942.2 | 918.0 | 680.0 | 765.0 | 816.0 | 877.5 | 918.0  | 973.0 | 1085 | 1224 | 1640 |
| Slovenia                | 69     | 58      | 0.0              | 0.0              | 13.4             | 902.0 | 918.8 | 675.0 | 702.0 | 769.5 | 840.0 | 892.5  | 945.0 | 1020 | 1155 | 1575 |
| Sweden                  | 139    | 120     | 0.0              | 0.0              | 12.8             | 901.5 | 890.0 | 600.0 | 712.0 | 726.8 | 801.0 | 890.0  | 1005  | 1068 | 1157 | 1440 |
| United States           | 241    | 201     | 0.0              | 0.0              | 14.6             | 1111  | 1080  | 816.7 | 906.0 | 946.0 | 1021  | 1095   | 1180  | 1295 | 1350 | 1625 |
| International Avg (n=9) | 1657   | 1452    | 0.0              | 0.0              | 13.2             | 1027  | 983.2 | 681.9 | 798.8 | 841.6 | 897.7 | 1011   | 1118  | 1233 | 1325 | 1776 |

Question: School Supports Advanced Mathematics and Physics Education - Principals' Reports (Scale)  
 Location: Derived (MCBGSMP)

| Country                 | Sample | Valid N | Not<br>Adm.<br>% | Not<br>App.<br>% | Omitt<br>ed<br>% | Mean | Mode | Min | P5  | P10  | Q1   | Median | Q3   | P90  | P95  | Max  |
|-------------------------|--------|---------|------------------|------------------|------------------|------|------|-----|-----|------|------|--------|------|------|------|------|
| France                  | 144    | 132     | 7.7              | 0.0              | 0.6              | 8.7  | 7.7  | 5.7 | 6.5 | 7.1  | 7.7  | 8.8    | 9.9  | 10.4 | 11.7 | 14.3 |
| Italy                   | 113    | 108     | 4.0              | 0.0              | 0.0              | 9.5  | 10.4 | 2.9 | 6.5 | 7.1  | 8.3  | 9.6    | 10.4 | 11.7 | 12.6 | 14.3 |
| Lebanon                 | 251    | 248     | 0.0              | 0.0              | 2.3              | 10.6 | 10.4 | 2.9 | 7.7 | 8.3  | 9.4  | 10.4   | 11.7 | 14.3 | 14.3 | 14.3 |
| Norway                  | 133    | 109     | 21.3             | 0.0              | 0.4              | 11.3 | 10.4 | 6.5 | 8.3 | 9.4  | 10.4 | 11.0   | 12.6 | 14.3 | 14.3 | 14.3 |
| Portugal                | 221    | 212     | 3.3              | 0.0              | 1.2              | 10.2 | 9.9  | 5.7 | 7.1 | 8.3  | 9.4  | 9.9    | 11.5 | 12.6 | 12.6 | 14.3 |
| Russian Federation      | 346    | 345     | 0.0              | 0.0              | 0.4              | 11.8 | 12.6 | 7.1 | 8.8 | 9.4  | 10.4 | 11.7   | 12.6 | 14.3 | 14.3 | 14.3 |
| Russian Federation 6hr+ | 163    | 163     | 0.0              | 0.0              | 0.0              | 12.3 | 12.6 | 7.1 | 9.4 | 10.4 | 11.0 | 12.6   | 14.3 | 14.3 | 14.3 | 14.3 |
| Slovenia                | 69     | 65      | 4.0              | 0.0              | 0.0              | 8.9  | 8.3  | 4.7 | 7.1 | 7.1  | 8.3  | 8.8    | 9.4  | 10.4 | 11.7 | 12.6 |
| Sweden                  | 139    | 138     | 0.9              | 0.0              | 0.0              | 8.6  | 8.8  | 4.7 | 6.5 | 6.5  | 7.7  | 8.8    | 9.4  | 9.9  | 11.0 | 14.3 |
| United States           | 241    | 200     | 12.5             | 0.0              | 3.1              | 10.6 | 9.4  | 2.9 | 7.1 | 8.3  | 9.4  | 10.4   | 11.7 | 12.6 | 14.3 | 14.3 |
| International Avg (n=9) | 1657   | 1557    | 6.0              | 0.0              | 0.9              | 10.0 | 9.8  | 4.8 | 7.3 | 7.9  | 9.0  | 10.0   | 11.0 | 12.3 | 13.0 | 14.1 |

Question: School Supports Advanced Mathematics and Physics Education - Principals' Reports (Index)  
Location: Derived (MCDGSMP)

| Country                 | Sample | Valid N | 1.<br>Strong<br>ly<br>suppor<br>ts<br>% | 2.<br>Suppor<br>ts<br>% | 3.<br>Somewh<br>at<br>suppor<br>ts<br>% | Missin<br>g<br>% | Not<br>admini<br>stered<br>% | Not<br>applic<br>able<br>% | 1.<br>Strong<br>ly<br>suppor<br>ts<br>Mean | 2.<br>Suppor<br>ts<br>Mean | 3.<br>Somewh<br>at<br>suppor<br>ts<br>Mean | Missin<br>g<br>Mean | Not<br>admini<br>stered<br>Mean | Not<br>applic<br>able<br>Mean |
|-------------------------|--------|---------|---|-------------------------|---|------------------|------------------------------|----------------------------|--|----------------------------|--|---------------------|---------------------------------|-------------------------------|
| France                  | 144    | 132     | 8.1                                     | 83.9                    | 8.0                                     | 0.6              | 7.7                          | 0.0                        | 478.9                                      | 459.6                      | 456.5                                      | 490.1               | 480.9                           | .                             |
| Italy                   | 113    | 108     | 21.2                                    | 72.4                    | 6.4                                     | 0.0              | 4.0                          | 0.0                        | 437.1                                      | 417.2                      | 413.4                                      | .                   | 440.6                           | .                             |
| Lebanon                 | 251    | 248     | 38.6                                    | 59.6                    | 1.9                                     | 2.3              | 0.0                          | 0.0                        | 535.6                                      | 530.5                      | 503.2                                      | 526.8               | .                               | .                             |
| Norway                  | 133    | 109     | 61.6                                    | 38.1                    | 0.3                                     | 0.4              | 21.3                         | 0.0                        | 474.3                                      | 442.1                      | 455.6                                      | 474.7               | 448.7                           | .                             |
| Portugal                | 221    | 212     | 35.0                                    | 61.3                    | 3.7                                     | 1.2              | 3.3                          | 0.0                        | 482.9                                      | 484.4                      | 469.5                                      | 405.6               | 480.1                           | .                             |
| Russian Federation      | 346    | 345     | 73.1                                    | 26.9                    | 0.0                                     | 0.4              | 0.0                          | 0.0                        | 494.3                                      | 459.7                      | .  | 392.6               | .                               | .                             |
| Russian Federation 6hr+ | 163    | 163     | 86.3                                    | 13.7                    | 0.0                                     | 0.0              | 0.0                          | 0.0                        | 544.4                                      | 513.2                      | .  | .                   | .                               | .                             |
| Slovenia                | 69     | 65      | 7.4                                     | 88.6                    | 3.9                                     | 0.0              | 4.0                          | 0.0                        | 504.7                                      | 458.4                      | 410.3                                      | .                   | 457.3                           | .                             |
| Sweden                  | 139    | 138     | 6.5                                     | 80.4                    | 13.1                                    | 0.0              | 0.9                          | 0.0                        | 455.6                                      | 430.9                      | 418.9                                      | .                   | 445.3                           | .                             |
| United States           | 241    | 200     | 46.8                                    | 50.6                    | 2.6                                     | 3.1              | 12.5                         | 0.0                        | 494.7                                      | 481.3                      | 434.9                                      | 489.6               | 474.8                           | .                             |
| International Avg (n=9) | 1657   | 1557    | 33.1                                    | 62.4                    | 4.4                                     | 0.9              | 6.0                          | 0.0                        | 484.2                                      | 462.7                      | 445.3                                      | 463.2               | 461.1                           | .                             |



Question: School Discipline Problems - Principals' Reports (Scale)  
 Location: Derived (MCBGDAS)

| Country                 | Sample | Valid N | Not<br>Adm.<br>% | Not<br>App.<br>% | Omitt<br>ed<br>% | Mean | Mode | Min | P5  | P10 | Q1   | Median | Q3   | P90  | P95  | Max  |
|-------------------------|--------|---------|------------------|------------------|------------------|------|------|-----|-----|-----|------|--------|------|------|------|------|
| France                  | 144    | 132     | 7.7              | 0.0              | 0.6              | 10.4 | 10.5 | 3.5 | 7.3 | 8.1 | 9.6  | 10.5   | 11.6 | 13.7 | 13.7 | 13.7 |
| Italy                   | 113    | 108     | 4.0              | 0.0              | 0.0              | 9.0  | 10.5 | 3.5 | 5.5 | 5.9 | 7.6  | 9.2    | 10.5 | 11.0 | 12.4 | 13.7 |
| Lebanon                 | 251    | 248     | 0.0              | 0.0              | 1.9              | 9.2  | 10.5 | 3.5 | 3.5 | 4.6 | 7.1  | 9.6    | 11.6 | 13.7 | 13.7 | 13.7 |
| Norway                  | 133    | 109     | 21.3             | 0.0              | 0.4              | 10.5 | 11.6 | 6.8 | 7.7 | 8.1 | 9.2  | 10.0   | 11.6 | 13.7 | 13.7 | 13.7 |
| Portugal                | 221    | 213     | 3.3              | 0.0              | 0.1              | 10.2 | 13.7 | 3.5 | 7.1 | 8.1 | 8.9  | 10.0   | 11.6 | 12.4 | 13.7 | 13.7 |
| Russian Federation      | 346    | 346     | 0.0              | 0.0              | 0.0              | 11.0 | 11.6 | 7.4 | 8.9 | 9.6 | 10.0 | 11.0   | 11.6 | 12.4 | 13.7 | 13.7 |
| Russian Federation 6hr+ | 163    | 163     | 0.0              | 0.0              | 0.0              | 11.0 | 11.6 | 7.4 | 8.9 | 9.6 | 10.0 | 11.0   | 11.6 | 12.4 | 13.7 | 13.7 |
| Slovenia                | 69     | 65      | 4.0              | 0.0              | 0.0              | 10.3 | 9.6  | 6.7 | 8.6 | 8.9 | 9.6  | 10.0   | 11.0 | 11.6 | 11.6 | 13.7 |
| Sweden                  | 139    | 137     | 0.9              | 0.0              | 2.2              | 9.4  | 9.2  | 7.2 | 7.6 | 8.1 | 8.6  | 9.2    | 10.0 | 11.0 | 11.6 | 13.7 |
| United States           | 241    | 203     | 12.5             | 0.0              | 0.7              | 10.1 | 11.6 | 6.3 | 7.9 | 8.1 | 8.9  | 10.0   | 11.6 | 12.4 | 12.4 | 13.7 |
| International Avg (n=9) | 1657   | 1561    | 6.0              | 0.0              | 0.7              | 10.0 | 11.0 | 5.4 | 7.1 | 7.7 | 8.8  | 9.9    | 11.3 | 12.4 | 13.0 | 13.7 |

Question: School Discipline Problems - Principals' Reports (Index)  
 Location: Derived (MCDGDAS)

| Country                 | Sample | Valid N | 1.<br>Hardly<br>any<br>problem<br>ms<br>% | 2.<br>Minor<br>problem<br>ms<br>% | 3.<br>Modera<br>te to<br>severe<br>problem<br>ms<br>% | Missin<br>g<br>% | Not<br>admini<br>stered<br>% | Not<br>applic<br>able<br>% | 1.<br>Hardly<br>any<br>problem<br>ms<br>Mean | 2.<br>Minor<br>problem<br>ms<br>Mean | 3.<br>Modera<br>te to<br>severe<br>problem<br>ms<br>Mean | Missin<br>g<br>Mean | Not<br>admini<br>stered<br>Mean | Not<br>applic<br>able<br>Mean |
|-------------------------|--------|---------|---|-----------------------------------|---|------------------|------------------------------|----------------------------|--|--------------------------------------|--|---------------------|---------------------------------|-------------------------------|
| France                  | 144    | 132     | 65.2                                      | 30.8                              | 4.0   | 0.6              | 7.7                          | 0.0                        | 463.9  | 455.3                                | 456.6  | 490.1               | 480.9                           | .                             |
| Italy                   | 113    | 108     | 39.1                                      | 39.3                              | 21.6  | 0.0              | 4.0                          | 0.0                        | 451.4  | 401.3                                | 402.7  | .                   | 440.6                           | .                             |
| Lebanon                 | 251    | 248     | 48.2                                      | 25.8                              | 26.1  | 1.9              | 0.0                          | 0.0                        | 539.8  | 521.9                                | 526.1  | 546.4               | .                               | .                             |
| Norway                  | 133    | 109     | 66.4                                      | 32.8                              | 0.7   | 0.4              | 21.3                         | 0.0                        | 466.5  | 453.3                                | 440.5  | 474.7               | 448.7                           | .                             |
| Portugal                | 221    | 213     | 56.5                                      | 37.9                              | 5.6   | 0.1              | 3.3                          | 0.0                        | 483.3  | 482.0                                | 473.7  | 540.5               | 480.1                           | .                             |
| Russian Federation      | 346    | 346     | 85.1                                      | 14.9                              | 0.0   | 0.0              | 0.0                          | 0.0                        | 486.5  | 474.3                                | .  | .                   | .                               | .                             |
| Russian Federation 6hr+ | 163    | 163     | 81.5                                      | 18.5                              | 0.0   | 0.0              | 0.0                          | 0.0                        | 538.3  | 548.0                                | .  | .                   | .                               | .                             |
| Slovenia                | 69     | 65      | 65.1                                      | 34.1                              | 0.8   | 0.0              | 4.0                          | 0.0                        | 469.2  | 444.0                                | 375.6  | .                   | 457.3                           | .                             |
| Sweden                  | 139    | 137     | 33.8                                      | 64.6                              | 1.6   | 2.2              | 0.9                          | 0.0                        | 446.6  | 423.9                                | 398.3  | 421.5               | 445.3                           | .                             |
| United States           | 241    | 203     | 55.4                                      | 43.3                              | 1.3   | 0.7              | 12.5                         | 0.0                        | 494.1  | 478.0                                | 406.4  | 551.6               | 474.8                           | .                             |
| International Avg (n=9) | 1657   | 1561    | 57.2                                      | 35.9                              | 6.9   | 0.7              | 6.0                          | 0.0                        | 477.9  | 459.3                                | 435.0  | 504.1               | 461.1                           | .                             |