

Appendix C.4: School Sample Sizes

| Country | Number of Schools in Original Sample | Number of Eligible Schools in Original Sample | Number of Schools in Original Sample that Participated | Number of Replacement Schools that Participated | Total Number of Schools that Participated |
|-----------------------|--------------------------------------|---|--|---|---|
| Armenia | 150 | 150 | 150 | 0 | 150 |
| Australia | 290 | 284 | 275 | 5 | 280 |
| Austria | 160 | 158 | 158 | 0 | 158 |
| Azerbaijan | 170 | 169 | 142 | 27 | 169 |
| Bahrain | 174 | 172 | 159 | 0 | 159 |
| Belgium (Flemish) | 156 | 150 | 114 | 28 | 142 |
| Chile | 203 | 202 | 169 | 31 | 200 |
| Chinese Taipei | 150 | 150 | 150 | 0 | 150 |
| Croatia | 152 | 152 | 150 | 2 | 152 |
| Czech Republic | 180 | 178 | 161 | 16 | 177 |
| Denmark | 240 | 235 | 186 | 30 | 216 |
| England | 150 | 150 | 122 | 3 | 125 |
| Finland | 150 | 146 | 141 | 4 | 145 |
| Georgia | 180 | 177 | 172 | 1 | 173 |
| Germany | 200 | 199 | 190 | 7 | 197 |
| Hong Kong SAR | 154 | 154 | 134 | 2 | 136 |
| Hungary | 150 | 150 | 146 | 3 | 149 |
| Iran, Islamic Rep. of | 250 | 244 | 244 | 0 | 244 |
| Ireland | 152 | 151 | 147 | 3 | 150 |
| Italy | 205 | 205 | 166 | 36 | 202 |
| Japan | 150 | 150 | 144 | 5 | 149 |
| Kazakhstan | 150 | 149 | 147 | 2 | 149 |
| Korea, Rep. of | 150 | 150 | 150 | 0 | 150 |
| Kuwait | 150 | 150 | 148 | 0 | 148 |
| Lithuania | 160 | 154 | 145 | 9 | 154 |
| Malta | 99 | 96 | 96 | 0 | 96 |
| Morocco | 289 | 287 | 286 | 0 | 286 |
| Netherlands | 151 | 148 | 75 | 53 | 128 |
| New Zealand | 189 | 189 | 154 | 26 | 180 |
| Northern Ireland | 160 | 160 | 100 | 36 | 136 |
| Norway | 150 | 145 | 84 | 35 | 119 |
| Oman | 338 | 333 | 327 | 0 | 327 |
| Poland | 150 | 150 | 150 | 0 | 150 |
| Portugal | 150 | 150 | 132 | 15 | 147 |
| Qatar | 175 | 167 | 166 | 0 | 166 |
| Romania | 150 | 148 | 147 | 1 | 148 |
| Russian Federation | 202 | 202 | 202 | 0 | 202 |
| Saudi Arabia | 175 | 171 | 163 | 8 | 171 |
| Serbia | 160 | 156 | 152 | 4 | 156 |
| Singapore | 176 | 176 | 176 | 0 | 176 |
| Slovak Republic | 200 | 198 | 187 | 10 | 197 |
| Slovenia | 202 | 201 | 193 | 2 | 195 |
| Spain | 152 | 152 | 147 | 4 | 151 |
| Sweden | 161 | 153 | 148 | 4 | 152 |
| Thailand | 168 | 168 | 143 | 25 | 168 |
| Tunisia | 222 | 222 | 222 | 0 | 222 |
| Turkey | 260 | 257 | 251 | 6 | 257 |
| United Arab Emirates | 478 | 460 | 459 | 0 | 459 |
| United States | 450 | 437 | 347 | 22 | 369 |
| Yemen | 223 | 218 | 216 | 0 | 216 |

Sixth Grade Participants

| | | | | | |
|----------|-----|-----|-----|----|-----|
| Botswana | 150 | 149 | 149 | 0 | 149 |
| Honduras | 152 | 147 | 133 | 14 | 147 |
| Yemen | 150 | 147 | 146 | 0 | 146 |

Benchmarking Participants

| | | | | | |
|--------------------|-----|-----|-----|---|-----|
| Alberta, Canada | 150 | 144 | 141 | 2 | 143 |
| Ontario, Canada | 150 | 149 | 145 | 1 | 146 |
| Quebec, Canada | 200 | 197 | 189 | 1 | 190 |
| Abu Dhabi, UAE | 168 | 165 | 164 | 0 | 164 |
| Dubai, UAE | 152 | 139 | 139 | 0 | 139 |
| Florida, US | 81 | 80 | 77 | 0 | 77 |
| North Carolina, US | 49 | 49 | 46 | 0 | 46 |

Appendix C.5: School Sample Sizes

| Country | Number of Schools in Original Sample | Number of Eligible Schools in Original Sample | Number of Schools in Original Sample that Participated | Number of Replacement Schools that Participated | Total Number of Schools that Participated |
|-------------------------|--------------------------------------|---|--|---|---|
| Armenia | 153 | 153 | 153 | 0 | 153 |
| Australia | 290 | 287 | 276 | 1 | 277 |
| Bahrain | 97 | 96 | 95 | 0 | 95 |
| Chile | 197 | 196 | 166 | 27 | 193 |
| Chinese Taipei | 150 | 150 | 150 | 0 | 150 |
| England | 150 | 150 | 113 | 5 | 118 |
| Finland | 150 | 148 | 143 | 2 | 145 |
| Georgia | 180 | 175 | 171 | 1 | 172 |
| Ghana | 163 | 161 | 161 | 0 | 161 |
| Hong Kong SAR | 150 | 150 | 116 | 1 | 117 |
| Hungary | 150 | 147 | 144 | 2 | 146 |
| Indonesia | 154 | 153 | 153 | 0 | 153 |
| Iran, Islamic Rep. of | 250 | 238 | 237 | 1 | 238 |
| Israel | 152 | 151 | 143 | 8 | 151 |
| Italy | 204 | 204 | 166 | 31 | 197 |
| Japan | 150 | 150 | 128 | 10 | 138 |
| Jordan | 232 | 230 | 230 | 0 | 230 |
| Kazakhstan | 150 | 147 | 146 | 1 | 147 |
| Korea, Rep. of | 150 | 150 | 150 | 0 | 150 |
| Lebanon | 150 | 150 | 136 | 11 | 147 |
| Lithuania | 150 | 142 | 132 | 9 | 141 |
| Macedonia, Rep. of | 150 | 150 | 150 | 0 | 150 |
| Malaysia | 180 | 180 | 180 | 0 | 180 |
| Morocco | 285 | 280 | 279 | 0 | 279 |
| New Zealand | 162 | 162 | 141 | 17 | 158 |
| Norway | 150 | 150 | 134 | 0 | 134 |
| Oman | 338 | 333 | 323 | 0 | 323 |
| Palestinian Nat'l Auth. | 203 | 201 | 201 | 0 | 201 |
| Qatar | 113 | 110 | 109 | 0 | 109 |
| Romania | 150 | 147 | 145 | 2 | 147 |
| Russian Federation | 210 | 210 | 210 | 0 | 210 |
| Saudi Arabia | 154 | 153 | 150 | 3 | 153 |
| Singapore | 165 | 165 | 165 | 0 | 165 |
| Slovenia | 191 | 191 | 183 | 3 | 186 |
| Sweden | 159 | 156 | 152 | 1 | 153 |
| Syrian Arab Republic | 150 | 150 | 148 | 0 | 148 |
| Thailand | 172 | 172 | 160 | 12 | 172 |
| Tunisia | 217 | 211 | 207 | 0 | 207 |
| Turkey | 240 | 239 | 237 | 2 | 239 |
| Ukraine | 150 | 148 | 146 | 2 | 148 |
| United Arab Emirates | 477 | 460 | 458 | 0 | 458 |
| United States | 600 | 574 | 499 | 2 | 501 |

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2011

Ninth Grade Participants

| | | | | | |
|--------------|-----|-----|-----|----|-----|
| Botswana | 150 | 150 | 150 | 0 | 150 |
| Honduras | 160 | 155 | 134 | 21 | 155 |
| South Africa | 298 | 285 | 283 | 2 | 285 |

Benchmarking Participants

| | | | | | |
|--------------------|-----|-----|-----|----|-----|
| Alberta, Canada | 150 | 147 | 133 | 12 | 145 |
| Ontario, Canada | 150 | 146 | 142 | 1 | 143 |
| Quebec, Canada | 200 | 198 | 189 | 0 | 189 |
| Abu Dhabi, UAE | 170 | 167 | 166 | 0 | 166 |
| Dubai, UAE | 143 | 131 | 130 | 0 | 130 |
| Alabama, US | 63 | 60 | 55 | 0 | 55 |
| California, US | 94 | 93 | 79 | 3 | 82 |
| Colorado, US | 60 | 60 | 50 | 3 | 53 |
| Connecticut, US | 63 | 62 | 62 | 0 | 62 |
| Florida, US | 65 | 64 | 60 | 0 | 60 |
| Indiana, US | 62 | 58 | 55 | 1 | 56 |
| Massachusetts, US | 58 | 56 | 56 | 0 | 56 |
| Minnesota, US | 60 | 56 | 51 | 4 | 55 |
| North Carolina, US | 62 | 60 | 59 | 0 | 59 |