

| Var. No. | Question | Variable Name | Variable Label | Code | Option | Location/Format |
|----------|----------|---------------|--------------------------------------|--|--|-----------------|
| 1 | BOOKLET | IDBOOK | BOOKLET ID | VALUE 99 98 | IDBOOK ID omitted not admin. VLD: (IDBOOK>=0.AND.IDBOOK<=14).OR.IDBOOK=99.OR.IDBOOK=98 Flags: SCR: 1 / CAR:F / CAT:ID / DEF: | 1- 2/N 2.0 |
| | | | | COMMENT: | | |
| 2 | SCORER A | IDSCORA | ACHIEVEMENT SCORER ID | VALUE 999999 999998 | IDSCORA ID omitted not admin. VLD: .T. Flags: SCR: 2 / CAR:F / CAT:ID / DEF: | 3- 8/N 6.0 |
| | | | | COMMENT: | | |
| 3 | COUNTRY | IDCNTRY | COUNTRY ID | VALUE VLD: .T. | IDCNTRY ID VLD: .T. Flags: SCR: 3 / CAR:F / CAT:ID / DEF: | 9- 13/N 5.0 |
| | | | | COMMENT: | | |
| 4 | SCHOOL | IDSCHOOL | SCHOOL ID | VALUE VLD: (IDSCHOOL>=1.AND.IDSCHOOL<=99996) | IDSCHOOL ID VLD: (IDSCHOOL>=1.AND.IDSCHOOL<=99996) Flags: SCR: 4 / CAR:F / CAT:ID / DEF: | 14- 17/N 4.0 |
| | | | | COMMENT: | | |
| 5 | CLASS | IDCLASS | CLASS ID | VALUE VLD: (IDCLASS>=101.AND.IDCLASS<=999996) | IDCLASS ID VLD: (IDCLASS>=101.AND.IDCLASS<=999996) Flags: SCR: 5 / CAR:F / CAT:ID / DEF: | 18- 23/N 6.0 |
| | | | | COMMENT: | | |
| 6 | STUD | IDSTUD | STUDENT ID | VALUE VLD: (IDSTUD>=10101.AND.IDSTUD<=99999996) | IDSTUD ID VLD: (IDSTUD>=10101.AND.IDSTUD<=99999996) Flags: SCR: 6 / CAR:F / CAT:ID / DEF: | 24- 31/N 8.0 |
| | | | | COMMENT: | | |
| 7 | (M01_01) | M022043 | CIRCLE WITH SAME SHADED FRACTION (D) | 1 2 3 4 5 9 8 6 | A B C D* E omitted not admin. not reached VLD: M022043\$'1#2#3#4#5#9#8#6' Flags: SCR: 7 / CAR:F / CAT:M4 / DEF: 7 COMMENT: NUMBER\KNOWING (T) (M01_01) | 32 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------|
| 8 (M01_02) | M022046 | TOTAL KILOGRAMS OF SEED FROM MIXTURE (1) | 10 19 70 71 72 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M022046\$'10#19#70#71#72#79#99#98#96' Flags: SCR: 8 / CAR:F / CAT:SA / DEF: 97 COMMENT: NUMBER\APPLYING (T) (M01_02) | 33- 34/C 2.0 |
| 9 (M01_03) | M022049 | ROTATED 3-DIMENSIONAL OBJECT (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M022049\$'1#2#3#4#9#8#6' Flags: SCR: 9 / CAR:F / CAT:M4 / DEF: 7 COMMENT: GEOMETRY\REASONING (T) (M01_03) | 35 /C 1.0 |
| 10 (M01_04) | M022050 | INEQUALITY EQUIVALENT TO $X/3 > 8$ (E) | 1 2 3 4 5 9 8 6 | A B C D E* omitted not admin. not reached VLD: M022050\$'1#2#3#4#5#9#8#6' Flags: SCR: 10 / CAR:F / CAT:M5 / DEF: 7 COMMENT: ALGEBRA\KNOWING (T) (M01_04) | 36 /C 1.0 |
| 11 (M01_05) | M022055 | PERIMETER OF SQUARE FROM AREA (1) | 10 70 71 72 73 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M022055\$'10#70#71#72#73#79#99#98#96' Flags: SCR: 11 / CAR:F / CAT:SA / DEF: 97 COMMENT: GEOMETRY\APPLYING (T) (M01_05) | 37- 38/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|------|---|-----------------|
| 16 (M01_10) | M022232 | ESTIMATE TIME FOR WATER TO COOL (2) | 20 | CORRECT RESP | 43- 44/C 2.0 |
| | | | 21 | COR RES | |
| | | | 22 | COR RES | |
| | | | 23 | COR RES | |
| | | | 24 | COR RES | |
| | | | 29 | COR RES | |
| | | | 10 | PART RES | |
| | | | 11 | PART RES | |
| | | | 19 | PART RES | |
| | | | 70 | INCOR RES | |
| | | | 71 | INCOR RES | |
| | | | 72 | INCOR RES | |
| | | | 79 | INCOR RESP | |
| | | | 99 | omitted | |
| | | | 98 | not admin. | |
| | | | 96 | not reached | |
| | | | | VLD: M022232\$'20#21#22#23#24#29#10#11#19#70#71#72#79#99#98#96' | |
| | | | | Flags: SCR: 16 / CAR:F / CAT:SA / DEF: 97 | |
| | | | | COMMENT: NUMBER\APPLYING (T) (M01_10) | |
| 17 (M01_11A) | M022234A | NEW RECTANGLE FROM OLD/DRAW ON GRID (2) | 20 | CORRECT RESPONSE | 45- 46/C 2.0 |
| | | | 10 | PARTIAL RESPONSE | |
| | | | 11 | PARTIAL RESPONSE | |
| | | | 70 | INCORRECT RESPONSE | |
| | | | 71 | INCORRECT RESPONSE | |
| | | | 79 | INCORRECT RESPONSE | |
| | | | 99 | omitted | |
| | | | 98 | not admin. | |
| | | | 96 | not reached | |
| | | | | VLD: M022234A\$'20#10#11#70#71#79#99#98#96' | |
| | | | | Flags: SCR: 17 / CAR:F / CAT:SA / DEF: 97 | |
| | | | | COMMENT: GEOMETRY\APPLYING (T) (M01_11) | |
| 18 (M01_11B) | M022234B | NEW RECTANGLE FROM OLD/RATIO OF AREA (2) | 20 | CORRECT RESPONSE | 47- 48/C 2.0 |
| | | | 21 | CORRECT RESPONSE | |
| | | | 10 | PARTIAL RESPONSE | |
| | | | 11 | PARTIAL RESPONSE | |
| | | | 19 | PARTIAL RESPONSE | |
| | | | 70 | INCORRECT RESPONSE | |
| | | | 79 | INCORRECT RESPONSE | |
| | | | 99 | omitted | |
| | | | 98 | not admin. | |
| | | | 96 | not reached | |
| | | | | VLD: M022234B\$'20#21#10#11#19#70#79#99#98#96' | |
| | | | | Flags: SCR: 18 / CAR:F / CAT:SA / DEF: 97 | |
| | | | | COMMENT: NUMBER\APPLYING (T) (M01_11) | |
| 19 (M01_12) | M022243 | AREA OF TRIANGLE INSIDE A SQUARE (1) | 10 | CORRECT RESPONSE | 49- 50/C 2.0 |
| | | | 70 | INCORRECT RESPONSE | |
| | | | 79 | INCORRECT RESPONSE | |
| | | | 99 | omitted | |
| | | | 98 | not admin. | |
| | | | 96 | not reached | |
| | | | | VLD: M022243\$'10#70#79#99#98#96' | |
| | | | | Flags: SCR: 19 / CAR:F / CAT:SA / DEF: 97 | |
| | | | | COMMENT: GEOMETRY\APPLYING (T) (M01_12) | |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--------------------------------------|---------------------------------|--|---|
| 20 (M02_01) | M042003 | ORDERING OF NUMBER (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M042003\$'1#2#3#4#9#8#6' Flags: SCR: 20 / CAR:F / CAT:M4 COMMENT: NUMBER\KNOWING (M02_01) | 51 /C 1.0 / DEF: 7 |
| 21 (M02_02) | M042079 | SIMPLIFY THE NUMBER (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042079\$'1#2#3#4#9#8#6' Flags: SCR: 21 / CAR:F / CAT:M3 COMMENT: NUMBER\KNOWING (M02_02) | 52 /C 1.0 / DEF: 7 |
| 22 (M02_03) | M042018 | PLACE + OR - SIGN IN EXPRESSION (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042018\$'10#79#99#98#96' Flags: SCR: 22 / CAR:F / CAT:SA COMMENT: NUMBER\APPLYING (M02_03) | 53- 54/C 2.0 / DEF: 97 |
| 23 (M02_04) | M042055 | NUMBER OF BOYS IN THE CLASS (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M042055\$'1#2#3#4#9#8#6' Flags: SCR: 23 / CAR:F / CAT:M2 COMMENT: NUMBER\APPLYING (M02_04) | 55 /C 1.0 / DEF: 7 |
| 24 (M02_05) | M042039 | HOW MUCH ALAN SAVE WITH DISCOUNT (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M042039\$'1#2#3#4#9#8#6' Flags: SCR: 24 / CAR:F / CAT:M1 COMMENT: NUMBER\APPLYING (M02_05) | 56 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---|--|--|-----------------|
| 25 (M02_06) | M042199 | EQUIVALENT EXPRESSION (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M042199\$'1#2#3#4#9#8#6' Flags: SCR: 25 / CAR:F / CAT:M4 COMMENT: ALGEBRA\KNOWING (M02_06) | 57 /C 1.0 |
| 26 (M02_07A) | M042301A | COMPLETE THE TABLE (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042301A\$'10#79#99#98#96' Flags: SCR: 26 / CAR:F / CAT:SA COMMENT: ALGEBRA\KNOWING (M02_07) | 58- 59/C 2.0 |
| 27 (M02_07B) | M042301B | INTERIOR ANGLES OF 10-SIDED POLYGON (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042301B\$'10#79#99#98#96' Flags: SCR: 27 / CAR:F / CAT:SA COMMENT: ALGEBRA\REASONING (M02_07) | 60- 61/C 2.0 |
| 28 (M02_07C) | M042301C | INTERIOR ANGLES OF N-SIDED POLYGON (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042301C\$'10#70#79#99#98#96' Flags: SCR: 28 / CAR:F / CAT:SA COMMENT: ALGEBRA\REASONING (M02_07) | 62- 63/C 2.0 |
| 29 (M02_08) | M042263 | COST OF 1 PEN AND 2 PENCILS (1) | 10 11 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042263\$'10#11#70#79#99#98#96' Flags: SCR: 29 / CAR:F / CAT:SA COMMENT: ALGEBRA\REASONING (M02_08) | 64- 65/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--------------------------------------|---------------------------------|--|---|
| 30 (M02_09) | M042265 | WHICH NET WHEN FOLDED FORMS CUBE (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042265\$'1#2#3#4#9#8#6' Flags: SCR: 30 / CAR:F / CAT:M3 COMMENT: GEOMETRY\REASONING (M02_09) | 66 /C 1.0 / DEF: 7 |
| 31 (M02_10) | M042137 | WHAT IS THE VALUE OF X + Y (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042137\$'1#2#3#4#9#8#6' Flags: SCR: 31 / CAR:F / CAT:M3 COMMENT: GEOMETRY\APPLYING (M02_10) | 67 /C 1.0 / DEF: 7 |
| 32 (M02_11) | M042148 | POINT ON THE GRAPH (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M042148\$'1#2#3#4#9#8#6' Flags: SCR: 32 / CAR:F / CAT:M2 COMMENT: GEOMETRY\KNOWING (M02_11) | 68 /C 1.0 / DEF: 7 |
| 33 (M02_12) | M042254 | REPRESENTING DATA ON THE GRAPH (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M042254\$'1#2#3#4#9#8#6' Flags: SCR: 33 / CAR:F / CAT:M1 COMMENT: DATA AND CHANCE\APPLYING (M02_12) | 69 /C 1.0 / DEF: 7 |
| 34 (M02_13) | M042250 | NUMBER OF THE TICKETS SOLD (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042250\$'10#79#99#98#96' Flags: SCR: 34 / CAR:F / CAT:SA COMMENT: DATA AND CHANCE\KNOWING (M02_13) | 70- 71/C 2.0 / DEF: 97 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------|
| 40 (M03_04) | M022105 | TRIANGLE ROTATED ABOUT POINT P (D) | 1 2 3 4 5 9 8 6 | A B C D* E omitted not admin. not reached VLD: M022105\$'1#2#3#4#5#9#8#6' Flags: SCR: 40 / CAR:F / CAT:M4 COMMENT: GEOMETRY\KNOWING (T) (M03_04) | 78 /C 1.0 |
| 41 (M03_05) | M022106 | RATIO OF CHILDREN TO ADULTS ON BUS (1) | 10 70 71 72 73 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M022106\$'10#70#71#72#73#79#99#98#96' Flags: SCR: 41 / CAR:F / CAT:SA COMMENT: NUMBER\APPLYING (T) (M03_05) | 79- 80/C 2.0 |
| 42 (M03_06) | M022108 | DEGREE OF ANGLE FROM SUPPLEMENTS (C) | 1 2 3 4 5 9 8 6 | A B C* D E omitted not admin. not reached VLD: M022108\$'1#2#3#4#5#9#8#6' Flags: SCR: 42 / CAR:F / CAT:M3 COMMENT: GEOMETRY\APPLYING (T) (M03_06) | 81 /C 1.0 |
| 43 (M03_07) | M022110 | MULTIPLY TWO DECIMALS (1) | 10 11 70 71 72 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M022110\$'10#11#70#71#72#79#99#98#96' Flags: SCR: 43 / CAR:F / CAT:SA COMMENT: NUMBER\KNOWING (T) (M03_07) | 82- 83/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|---------------------------------|--|-----------------|
| 44 (M03_08) | M022181 | GRAPH SHOWING INFORMATION IN TABLE (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M022181\$'1#2#3#4#9#8#6' Flags: SCR: 44 / CAR:F / CAT:M2 COMMENT: DATA AND CHANCE\APPLYING (T) (M03_08) | 84 /C 1.0 |
| 45 (M03_09) | M032307 | FRACTION OF TICKETS SOLD FOR 10 ZEDS (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032307\$'10#79#99#98#96' Flags: SCR: 45 / CAR:F / CAT:SA COMMENT: NUMBER\APPLYING (T) (M03_09) | 85- 86/C 2.0 |
| 46 (M03_10) | M032523 | CUPS OF SUGAR FOR 1 1/2 TIMES RECIPE (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M032523\$'1#2#3#4#9#8#6' Flags: SCR: 46 / CAR:F / CAT:M2 COMMENT: NUMBER\APPLYING (T) (M03_10) | 87 /C 1.0 |
| 47 (M03_11) | M032701 | 1 TEACHER FOR EVERY 12 STUDENTS (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M032701\$'1#2#3#4#9#8#6' Flags: SCR: 47 / CAR:F / CAT:M3 COMMENT: NUMBER\APPLYING (T) (M03_11) | 88 /C 1.0 |
| 48 (M03_12) | M032704 | A BUS TRAVELS AT A CONSTANT SPEED (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M032704\$'1#2#3#4#9#8#6' Flags: SCR: 48 / CAR:F / CAT:M2 COMMENT: NUMBER\APPLYING (T) (M03_12) | 89 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|----------------------------------|---|---|
| 49 (M03_13) | M032525 | THE NUMBER DIVIDED BY -6 GIVES 12 (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M032525\$'1#2#3#4#9#8#6' Flags: SCR: 49 / CAR:F / CAT:M1 COMMENT: NUMBER\KNOWING (T) (M03_13) | 90 /C 1.0 / DEF: 7 |
| 50 (M03_14) | M032579 | THE MEASURE OF ANGLE C IN TRIANGLE (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M032579\$'1#2#3#4#9#8#6' Flags: SCR: 50 / CAR:F / CAT:M2 COMMENT: GEOMETRY\APPLYING (T) (M03_14) | 91 /C 1.0 / DEF: 7 |
| 51 (M03_15) | M032691 | DRAW ANGLES THAT ARE SUPPLEMENTARY (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032691\$'10#70#79#99#98#96' Flags: SCR: 51 / CAR:F / CAT:SA COMMENT: GEOMETRY\APPLYING (T) (M03_15) | 92- 93/C 2.0 / DEF: 97 |
| 52 (M04_01) | M042001 | WHICH IS THE CORRECT NUMBER (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M042001\$'1#2#3#4#9#8#6' Flags: SCR: 52 / CAR:F / CAT:M2 COMMENT: NUMBER\KNOWING (M04_01) | 94 /C 1.0 / DEF: 7 |
| 53 (M04_02) | M042022 | 1080 AS PRODUCT OF PRIME FACTORS (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042022\$'1#2#3#4#9#8#6' Flags: SCR: 53 / CAR:F / CAT:M3 COMMENT: NUMBER\KNOWING (M04_02) | 95 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---|--|---|---|
| 54 (M04_03) | M042082 | WHAT IS THE VALUE OF THE EXPRESSION (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M042082\$'1#2#3#4#9#8#6' Flags: SCR: 54 / CAR:F / CAT:M1 COMMENT: ALGEBRA\KNOWING (M04_03) | 96 /C 1.0 / DEF: 7 |
| 55 (M04_04) | M042088 | LENGTH OF THE SECOND PIPE (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M042088\$'1#2#3#4#9#8#6' Flags: SCR: 55 / CAR:F / CAT:M1 COMMENT: ALGEBRA\KNOWING (M04_04) | 97 /C 1.0 / DEF: 7 |
| 56 (M04_05A) | M042304A | COMPLETE THE TABLE FOR SWIMMING (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042304A\$'10#70#79#99#98#96' Flags: SCR: 56 / CAR:F / CAT:SA COMMENT: NUMBER\APPLYING (M04_05) | 98- 99/C 2.0 / DEF: 97 |
| 57 (M04_05B) | M042304B | COMPLETE THE TABLE FOR CYCLING (2) | 20 10 11 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042304B\$'20#10#11#79#99#98#96' Flags: SCR: 57 / CAR:F / CAT:SA COMMENT: NUMBER\APPLYING (M04_05) | 100- 101/C 2.0 / DEF: 97 |
| 58 (M04_05C) | M042304C | COMPLETE THE TABLE FOR RUNNING (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042304C\$'10#79#99#98#96' Flags: SCR: 58 / CAR:F / CAT:SA COMMENT: NUMBER\APPLYING (M04_05) | 102- 103/C 2.0 / DEF: 97 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|-----------------------------------|--|---|-----------------|
| 59 (M04_05D) | M042304D | WHO WON THE TRIATHLON (2) | 20 21 10 11 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042304D\$'20#21#10#11#79#99#98#96' Flags: SCR: 59 / CAR:F / CAT:SA / DEF: 97 COMMENT: NUMBER\REASONING (M04_05) | 104- 105/C 2.0 |
| 60 (M04_06) | M042267 | HOW MANY GRAMS CAN BE SHIPPED (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M042267\$'1#2#3#4#9#8#6' Flags: SCR: 60 / CAR:F / CAT:M4 / DEF: 7 COMMENT: ALGEBRA\APPLYING (M04_06) | 106 /C 1.0 |
| 61 (M04_07) | M042239 | SIMPLIFY THE EXPRESSION (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M042239\$'1#2#3#4#9#8#6' Flags: SCR: 61 / CAR:F / CAT:M1 / DEF: 7 COMMENT: ALGEBRA\KNOWING (M04_07) | 107 /C 1.0 |
| 62 (M04_08) | M042238 | POINT ON THE NUMBER LINE (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042238\$'1#2#3#4#9#8#6' Flags: SCR: 62 / CAR:F / CAT:M3 / DEF: 7 COMMENT: ALGEBRA\APPLYING (M04_08) | 108 /C 1.0 |
| 63 (M04_09) | M042279 | WHICH SHAPE THE PERSON SEE (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M042279\$'1#2#3#4#9#8#6' Flags: SCR: 63 / CAR:F / CAT:M2 / DEF: 7 COMMENT: GEOMETRY\REASONING (M04_09) | 109 /C 1.0 |

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|-------------------|---------------|----------------------------------|--|---|---|
| 64 (M04_10) | M042036 | WHAT IS THE VALUE OF X (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M042036\$'1#2#3#4#9#8#6' Flags: SCR: 64 / CAR:F / CAT:M4 COMMENT: GEOMETRY\REASONING (M04_10) | 110 /C 1.0 / DEF: 7 |
| 65 (M04_11) | M042130 | DRAW THE TRIANGLE (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042130\$'10#70#79#99#98#96' Flags: SCR: 65 / CAR:F / CAT:SA COMMENT: GEOMETRY\APPLYING (M04_11) | 111- 112/C 2.0 / DEF: 97 |
| 66 (M04_12A) | M042303A | MEAN RATING FOR EACH SUBJECT (1) | 10 70 71 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042303A\$'10#70#71#79#99#98#96' Flags: SCR: 66 / CAR:F / CAT:SA COMMENT: DATA AND CHANCE\KNOWING (M04_12) | 113- 114/C 2.0 / DEF: 97 |
| 67 (M04_12B) | M042303B | TRUE/FALSE STATEMENTS (2) | 20 10 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042303B\$'20#10#79#99#98#96' Flags: SCR: 67 / CAR:F / CAT:SA COMMENT: DATA AND CHANCE\REASONING (M04_12) | 115- 116/C 2.0 / DEF: 97 |
| 68 (M04_13) | M042222 | COLOR OF THE THIRD MARBLE (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M042222\$'1#2#3#4#9#8#6' Flags: SCR: 68 / CAR:F / CAT:M1 COMMENT: DATA AND CHANCE\KNOWING (M04_13) | 117 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---|----------------------------------|---|---|
| 69 (M05_01) | M032142 | CLASSES WITH SAME RATIO BOY TO GIRL (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M032142\$'1#2#3#4#9#8#6' Flags: SCR: 69 / CAR:F / CAT:M2 COMMENT: NUMBER\APPLYING (T) (M05_01) | 118 /C 1.0 / DEF: 7 |
| 70 (M05_02) | M032198 | 2 TIMES A SQUARED TIMES 3A (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M032198\$'1#2#3#4#9#8#6' Flags: SCR: 70 / CAR:F / CAT:M4 COMMENT: ALGEBRA\KNOWING (T) (M05_02) | 119 /C 1.0 / DEF: 7 |
| 71 (M05_03) | M032640 | 13 MATCHES TO MAKE 4 SQUARES (2) | 20 10 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032640\$'20#10#79#99#98#96' Flags: SCR: 71 / CAR:F / CAT:SA COMMENT: ALGEBRA\REASONING (T) (M05_03) | 120- 121/C 2.0 / DEF: 97 |
| 72 (M05_04) | M032344 | VOLUME OF FOLDED UP SHAPE (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032344\$'10#79#99#98#96' Flags: SCR: 72 / CAR:F / CAT:SA COMMENT: GEOMETRY\APPLYING (T) (M05_04) | 122- 123/C 2.0 / DEF: 97 |
| 73 (M05_05) | M032754 | CLASS TRIP_FILL TABLE WITH YES/NO (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032754\$'10#70#79#99#98#96' Flags: SCR: 73 / CAR:F / CAT:SA COMMENT: GEOMETRY\APPLYING (T) (M05_05) | 124- 125/C 2.0 / DEF: 97 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------|
| 74 (M05_06) | M032755 | CLASS TRIP_CALCULATIONS FROM TWO ADS (2) | 20 10 11 70 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032755\$'20#10#11#70#79#99#98#96' Flags: SCR: 74 / CAR:F / CAT:SA / DEF: 97 COMMENT: NUMBER\REASONING (T) (M05_06) | 126- 127/C 2.0 |
| 75 (M05_07A) | M032753A | CLASS TRIP_COMPLETE TABLE FOR ACTON (2) | 20 10 70 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032753A\$'20#10#70#79#99#98#96' Flags: SCR: 75 / CAR:F / CAT:SA / DEF: 97 COMMENT: DATA AND CHANCE\REASONING (T) (M05_07) | 128- 129/C 2.0 |
| 76 (M05_07B) | M032753B | CLASS TRIP_FILL TABLE FOR CAMFORD (2) | 20 21 10 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032753B\$'20#21#10#70#79#99#98#96' Flags: SCR: 76 / CAR:F / CAT:SA / DEF: 97 COMMENT: DATA AND CHANCE\REASONING (T) (M05_07) | 130- 131/C 2.0 |
| 77 (M05_07C) | M032753C | CLASS TRIP_TOWNS MEETING CONDITIONS (1) | 10 11 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032753C\$'10#11#79#99#98#96' Flags: SCR: 77 / CAR:F / CAT:SA / DEF: 97 COMMENT: DATA AND CHANCE\KNOWING (T) (M05_07) | 132- 133/C 2.0 |
| 78 (M05_08) | M032756 | CLASS TRIP_TOWN MEETS CONDITIONS (1) | 10 11 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032756\$'10#11#79#99#98#96' Flags: SCR: 78 / CAR:F / CAT:SA / DEF: 97 COMMENT: DATA AND CHANCE\REASONING (T) (M05_08) | 134- 135/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|---------------------------------|---|-----------------|
| 79 (M05_09) | M032205 | THE MEASURE OF THE ANGLE QUS (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M032205\$'1#2#3#4#9#8#6' Flags: SCR: 79 / CAR:F / CAT:M2 COMMENT: GEOMETRY\APPLYING (T) (M05_09) | 136 /C 1.0 |
| 80 (M05_10) | M032163 | RELATION BETWEEN X AND Y IN A TABLE (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M032163\$'1#2#3#4#9#8#6' Flags: SCR: 80 / CAR:F / CAT:M3 COMMENT: ALGEBRA\APPLYING (T) (M05_10) | 137 /C 1.0 |
| 81 (M06_01) | M042032 | WRITE EQUIVALENT FRACTION FOR 0.125 (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M042032\$'1#2#3#4#9#8#6' Flags: SCR: 81 / CAR:F / CAT:M2 COMMENT: NUMBER\KNOWING (M06_01) | 138 /C 1.0 |
| 82 (M06_02) | M042031 | EQUIVALENT EXPRESSION (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M042031\$'1#2#3#4#9#8#6' Flags: SCR: 82 / CAR:F / CAT:M1 COMMENT: NUMBER\APPLYING (M06_02) | 139 /C 1.0 |
| 83 (M06_03) | M042186 | WHAT IS THE NEXT LINE IN THE PATTERN (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042186\$'10#79#99#98#96' Flags: SCR: 83 / CAR:F / CAT:SA COMMENT: NUMBER\REASONING (M06_03) | 140- 141/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|----------------------------------|---|-----------------------------|
| 89 (M06_09) | M042228 | VALUE OF X IN THE PATTERN (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042228\$'10#70#79#99#98#96' Flags: SCR: 89 / CAR:F / CAT:SA COMMENT: ALGEBRA\REASONING (M06_09) | 151- 152/C 2.0 / DEF: 97 |
| 90 (M06_10) | M042245 | PAIR OF NUMBERS SATISFY THE EQUATION (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M042245\$'1#2#3#4#9#8#6' Flags: SCR: 90 / CAR:F / CAT:M4 COMMENT: ALGEBRA\APPLYING (M06_10) | 153 /C 1.0 / DEF: 7 |
| 91 (M06_11) | M042270 | DRAW AN ISOSCELES TRIANGLE (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042270\$'10#79#99#98#96' Flags: SCR: 91 / CAR:F / CAT:SA COMMENT: GEOMETRY\APPLYING (M06_11) | 154- 155/C 2.0 / DEF: 97 |
| 92 (M06_12) | M042201 | LENGTH OF THE RECTANGULAR BOX (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042201\$'10#79#99#98#96' Flags: SCR: 92 / CAR:F / CAT:SA COMMENT: GEOMETRY\APPLYING (M06_12) | 156- 157/C 2.0 / DEF: 97 |
| 93 (M06_13) | M042152 | HALF-TURN AROUND POINT O (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M042152\$'1#2#3#4#9#8#6' Flags: SCR: 93 / CAR:F / CAT:M4 COMMENT: GEOMETRY\KNOWING (M06_13) | 158 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|---------------------------------|--|--|
| 99 (M07_02) | M032416 | CORRECT PROCEDURE FOR 1/5 MINUS 1/3 (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M032416\$'1#2#3#4#9#8#6' Flags: SCR: 99 / CAR:F / CAT:M4 COMMENT: NUMBER\KNOWING (T) (M07_02) | 166 /C 1.0 / DEF: 7 |
| 100 (M07_03) | M032160 | AN ALLOY IS MADE OF GOLD AND SILVER (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M032160\$'1#2#3#4#9#8#6' Flags: SCR: 100 / CAR:F / CAT:M4 COMMENT: NUMBER\APPLYING (T) (M07_03) | 167 /C 1.0 / DEF: 7 |
| 101 (M07_04) | M032273 | RULE FOR THE PATTERN OF 2,5,11,23 (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M032273\$'1#2#3#4#9#8#6' Flags: SCR: 101 / CAR:F / CAT:M2 COMMENT: ALGEBRA\APPLYING (T) (M07_04) | 168 /C 1.0 / DEF: 7 |
| 102 (M07_05) | M032540 | 3 TIMES(2X MINUS 1)PLUS 2X EQUALS 21 (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M032540\$'1#2#3#4#9#8#6' Flags: SCR: 102 / CAR:F / CAT:M4 COMMENT: ALGEBRA\KNOWING (T) (M07_05) | 169 /C 1.0 / DEF: 7 |
| 103 (M07_06) | M032698 | NUMBER OF JACKETS ANNA HAS USING N (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M032698\$'1#2#3#4#9#8#6' Flags: SCR: 103 / CAR:F / CAT:M1 COMMENT: ALGEBRA\KNOWING (T) (M07_06) | 170 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|----------------------------------|--|-----------------|
| 109 (M07_12) | M032529 | PERCENTAGE REDUCTION IN SALE (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M032529\$'1#2#3#4#9#8#6' Flags: SCR: 109 / CAR:F / CAT:M2 COMMENT: NUMBER\APPLYING (T) (M07_12) | 178 /C 1.0 |
| 110 (M07_13A) | M032637A | BE FIT HEALTH CLUB/LABEL LINES (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032637A\$'10#70#79#99#98#96' Flags: SCR: 110 / CAR:F / CAT:SA COMMENT: DATA AND CHANCE\APPLYING (T) (M07_13) | 179- 180/C 2.0 |
| 111 (M07_13B) | M032637B | BE FIT HEALTH CLUB/IDENTIFY WEEK (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032637B\$'10#79#99#98#96' Flags: SCR: 111 / CAR:F / CAT:SA COMMENT: DATA AND CHANCE\KNOWING (T) (M07_13) | 181- 182/C 2.0 |
| 112 (M07_13C) | M032637C | BE FIT HEALTH CLUB/COSTS AT 24 WEEKS (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032637C\$'10#70#79#99#98#96' Flags: SCR: 112 / CAR:F / CAT:SA COMMENT: DATA AND CHANCE\APPLYING (T) (M07_13) | 183- 184/C 2.0 |
| 113 (M08_01) | M042183 | FIND THE NUMBER (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M042183\$'1#2#3#4#9#8#6' Flags: SCR: 113 / CAR:F / CAT:M4 COMMENT: NUMBER\KNOWING (M08_01) | 185 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------|
| 114 (M08_02) | M042060 | FRACTION BY WHICH PRICE REDUCED BY (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M042060\$'1#2#3#4#9#8#6' Flags: SCR: 114 / CAR:F / CAT:M2 COMMENT: NUMBER\KNOWING (M08_02) | 186 /C 1.0 |
| 115 (M08_03) | M042019 | APPROXIMATE THE SUM (1) | 10 70 71 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042019\$'10#70#71#79#99#98#96' Flags: SCR: 115 / CAR:F / CAT:SA COMMENT: NUMBER\KNOWING (M08_03) | 187- 188/C 2.0 |
| 116 (M08_04) | M042023 | WHICH IS LARGER 7/12 OR 2/3 (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042023\$'10#79#99#98#96' Flags: SCR: 116 / CAR:F / CAT:SA COMMENT: NUMBER\APPLYING (M08_04) | 189- 190/C 2.0 |
| 117 (M08_05) | M042197 | RULE TO GET TERMS IN THE PATTERN (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042197\$'10#70#79#99#98#96' Flags: SCR: 117 / CAR:F / CAT:SA COMMENT: NUMBER\REASONING (M08_05) | 191- 192/C 2.0 |
| 118 (M08_06) | M042234 | WHAT IS THE VALUE OF X (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042234\$'1#2#3#4#9#8#6' Flags: SCR: 118 / CAR:F / CAT:M3 COMMENT: ALGEBRA\KNOWING (M08_06) | 193 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------------------|
| 119 (M08_07) | M042066 | MISSING TERM IN THE SEQUENCE (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042066\$'10#70#79#99#98#96' Flags: SCR: 119 / CAR:F / CAT:SA COMMENT: ALGEBRA\REASONING (M08_07) | 194- 195/C 2.0 / DEF: 97 |
| 120 (M08_08) | M042243 | WHICH EQUATION IS SATISFIED (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M042243\$'1#2#3#4#9#8#6' Flags: SCR: 120 / CAR:F / CAT:M1 COMMENT: ALGEBRA\KNOWING (M08_08) | 196 /C 1.0 / DEF: 7 |
| 121 (M08_09) | M042248 | WHAT IS THE VALUE OF N (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042248\$'10#70#79#99#98#96' Flags: SCR: 121 / CAR:F / CAT:SA COMMENT: ALGEBRA\KNOWING (M08_09) | 197- 198/C 2.0 / DEF: 97 |
| 122 (M08_10A) | M042229A | WRITE AN EQUATION TO FIND X (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042229A\$'10#70#79#99#98#96' Flags: SCR: 122 / CAR:F / CAT:SA COMMENT: ALGEBRA\APPLYING (M08_10) | 199- 200/C 2.0 / DEF: 97 |
| 123 (M08_10B) | M042229B | LENGTH OF LONGEST SIDE OF TRIANGLE (1) | 10 11 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042229B\$'10#11#70#79#99#98#96' Flags: SCR: 123 / CAR:F / CAT:SA COMMENT: ALGEBRA\KNOWING (M08_10) | 201- 202/C 2.0 / DEF: 97 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--------------------------------------|----------------------------------|---|-----------------------------|
| 124 (M08_11A) | M042080A | WHAT IS A + B (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042080A\$'10#70#79#99#98#96' Flags: SCR: 124 / CAR:F / CAT:SA COMMENT: ALGEBRA\KNOWING (M08_11) | 203- 204/C 2.0 / DEF: 97 |
| 125 (M08_11B) | M042080B | WHAT IS A - B (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042080B\$'10#70#79#99#98#96' Flags: SCR: 125 / CAR:F / CAT:SA COMMENT: ALGEBRA\KNOWING (M08_11) | 205- 206/C 2.0 / DEF: 97 |
| 126 (M08_12) | M042120 | STATEMENT ABOUT LINES L AND M (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M042120\$'1#2#3#4#9#8#6' Flags: SCR: 126 / CAR:F / CAT:M1 COMMENT: GEOMETRY\KNOWING (M08_12) | 207 /C 1.0 / DEF: 7 |
| 127 (M08_13) | M042203 | WHAT IS THE VALUE OF X (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042203\$'1#2#3#4#9#8#6' Flags: SCR: 127 / CAR:F / CAT:M3 COMMENT: GEOMETRY\APPLYING (M08_13) | 208 /C 1.0 / DEF: 7 |
| 128 (M08_14) | M042264 | CONDITIONS FOR SIMILAR TRIANGLES (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042264\$'10#79#99#98#96' Flags: SCR: 128 / CAR:F / CAT:SA COMMENT: GEOMETRY\REASONING (M08_14) | 209- 210/C 2.0 / DEF: 97 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|----------------------------------|--|---|
| 134 (M09_04) | M032419 | WHICH REPRESENTS 2X PLUS 3X (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M032419\$'1#2#3#4#9#8#6' Flags: SCR: 134 / CAR:F / CAT:M3 COMMENT: ALGEBRA\KNOWING (T) (M09_04) | 218 /C 1.0 / DEF: 7 |
| 135 (M09_05) | M032477 | COST IN ZEDS FOR TAXI TRIP OF N KM (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M032477\$'1#2#3#4#9#8#6' Flags: SCR: 135 / CAR:F / CAT:M1 COMMENT: ALGEBRA\KNOWING (T) (M09_05) | 219 /C 1.0 / DEF: 7 |
| 136 (M09_06) | M032538 | FIND THE VALUE OF Y WHEN T IS 9 (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032538\$'10#70#79#99#98#96' Flags: SCR: 136 / CAR:F / CAT:SA COMMENT: ALGEBRA\KNOWING (T) (M09_06) | 220- 221/C 2.0 / DEF: 97 |
| 137 (M09_07) | M032324 | DISTANCE FROM MIDPOINTS OF AB AND BC (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M032324\$'1#2#3#4#9#8#6' Flags: SCR: 137 / CAR:F / CAT:M4 COMMENT: GEOMETRY\REASONING (T) (M09_07) | 222 /C 1.0 / DEF: 7 |
| 138 (M09_08) | M032116 | AREA OF A SQUARE IS 144 SQUARE CM (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M032116\$'1#2#3#4#9#8#6' Flags: SCR: 138 / CAR:F / CAT:M2 COMMENT: GEOMETRY\APPLYING (T) (M09_08) | 223 /C 1.0 / DEF: 7 |

| Var. No. | Question | Variable Name | Variable Label | Code | Option | Location/Format |
|----------|----------|---------------|--|--|---|-----------------|
| 139 | (M09_09) | M032100 | SHAPE MADE UP OF SAME SIZE CUBES (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M032100\$'1#2#3#4#9#8#6' Flags: SCR: 139 / CAR:F / CAT:M4 COMMENT: GEOMETRY\APPLYING (T) (M09_09) | 224 /C 1.0 |
| 140 | (M09_10) | M032402 | WHY TRIANGLE IS RIGHT ANGLE TRIANGLE (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M032402\$'1#2#3#4#9#8#6' Flags: SCR: 140 / CAR:F / CAT:M1 COMMENT: GEOMETRY\REASONING (T) (M09_10) | 225 /C 1.0 |
| 141 | (M09_11) | M032734 | VIEW OF SHAPE DIRECTLY FROM ABOVE (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032734\$'10#79#99#98#96' Flags: SCR: 141 / CAR:F / CAT:SA COMMENT: GEOMETRY\KNOWING (T) (M09_11) | 226- 227/C 2.0 |
| 142 | (M09_12) | M032397 | FIGURE 1 TRANSFORMED TO 2 AND 3 (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M032397\$'1#2#3#4#9#8#6' Flags: SCR: 142 / CAR:F / CAT:M2 COMMENT: GEOMETRY\KNOWING (T) (M09_12) | 228 /C 1.0 |
| 143 | (M09_13) | M032695 | MAKE A PIE CHART SHOWING PROPORTIONS (2) | 20 10 11 70 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032695\$'20#10#11#70#79#99#98#96' Flags: SCR: 143 / CAR:F / CAT:SA COMMENT: DATA AND CHANCE\APPLYING (T) (M09_13) | 229- 230/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------|
| 144 (M09_14) | M032132 | HOW LIKELY TO GET PINK CANDY (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M032132\$'1#2#3#4#9#8#6' Flags: SCR: 144 / CAR:F / CAT:M4 / DEF: 7 COMMENT: DATA AND CHANCE\KNOWING (T) (M09_14) | 231 /C 1.0 |
| 145 (M10_01) | M042041 | LENGTH OF THE ORIGINAL PIPE (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042041\$'1#2#3#4#9#8#6' Flags: SCR: 145 / CAR:F / CAT:M3 / DEF: 7 COMMENT: NUMBER\APPLYING (M10_01) | 232 /C 1.0 |
| 146 (M10_02) | M042024 | WHAT IS K ON A NUMBER LINE (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M042024\$'1#2#3#4#9#8#6' Flags: SCR: 146 / CAR:F / CAT:M2 / DEF: 7 COMMENT: NUMBER\KNOWING (M10_02) | 233 /C 1.0 |
| 147 (M10_03) | M042016 | EXPRESS 256 X 4096 AS A POWER OF 4 (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M042016\$'1#2#3#4#9#8#6' Flags: SCR: 147 / CAR:F / CAT:M1 / DEF: 7 COMMENT: NUMBER\APPLYING (M10_03) | 234 /C 1.0 |
| 148 (M10_04) | M042002 | NUMBERS TO GET GREATEST RESULTS (1) | 10 70 71 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042002\$'10#70#71#79#99#98#96' Flags: SCR: 148 / CAR:F / CAT:SA / DEF: 97 COMMENT: NUMBER\REASONING (M10_04) | 235- 236/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|----------------------------------|---|-----------------------------|
| 149 (M10_05A) | M042198A | NEXT TERM IN THE PATTERN (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042198A\$'10#79#99#98#96' Flags: SCR: 149 / CAR:F / CAT:SA COMMENT: ALGEBRA\KNOWING (M10_05) | 237- 238/C 2.0 / DEF: 97 |
| 150 (M10_05B) | M042198B | TERM NUMBER 100 IN THE PATTERN (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042198B\$'10#70#79#99#98#96' Flags: SCR: 150 / CAR:F / CAT:SA COMMENT: ALGEBRA\REASONING (M10_05) | 239- 240/C 2.0 / DEF: 97 |
| 151 (M10_05C) | M042198C | TERM NUMBER N IN THE PATTERN (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042198C\$'10#70#79#99#98#96' Flags: SCR: 151 / CAR:F / CAT:SA COMMENT: ALGEBRA\REASONING (M10_05) | 241- 242/C 2.0 / DEF: 97 |
| 152 (M10_06) | M042077 | EXPRESSION TO EQUIVALENT TO $4(3+X)$ (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042077\$'1#2#3#4#9#8#6' Flags: SCR: 152 / CAR:F / CAT:M3 COMMENT: ALGEBRA\KNOWING (M10_06) | 243 /C 1.0 / DEF: 7 |
| 153 (M10_07) | M042235 | WHAT IS THE VALUE OF X AND Y (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M042235\$'1#2#3#4#9#8#6' Flags: SCR: 153 / CAR:F / CAT:M4 COMMENT: ALGEBRA\KNOWING (M10_07) | 244 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|----------------------------------|---|---|
| 154 (M10_08) | M042067 | WHAT IS THE AREA OF THE RECTANGLE (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M042067\$'1#2#3#4#9#8#6' Flags: SCR: 154 / CAR:F / CAT:M2 COMMENT: ALGEBRA\APPLYING (M10_08) | 245 /C 1.0 / DEF: 7 |
| 155 (M10_09) | M042150 | WHICH SHAPE HAS A LINE OF SYMMETRY (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M042150\$'1#2#3#4#9#8#6' Flags: SCR: 155 / CAR:F / CAT:M2 COMMENT: GEOMETRY\KNOWING (M10_09) | 246 /C 1.0 / DEF: 7 |
| 156 (M10_10A) | M042300A | MARK THE POINTS B AND C ON GRAPH (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042300A\$'10#70#79#99#98#96' Flags: SCR: 156 / CAR:F / CAT:SA COMMENT: GEOMETRY\APPLYING (M10_10) | 247- 248/C 2.0 / DEF: 97 |
| 157 (M10_10B) | M042300B | MEASURE OF ANGLE BOC (1) | 10 11 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042300B\$'10#11#79#99#98#96' Flags: SCR: 157 / CAR:F / CAT:SA COMMENT: GEOMETRY\APPLYING (M10_10) | 249- 250/C 2.0 / DEF: 97 |
| 158 (M10_11) | M042260 | HOW LIKELY STUDENT HAD VOTED FOR PAT (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M042260\$'1#2#3#4#9#8#6' Flags: SCR: 158 / CAR:F / CAT:M2 COMMENT: DATA AND CHANCE\KNOWING (M10_11) | 251 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---------------------------------------|----------------------------------|--|---|
| 159 (M10_12A) | M042169A | MEAN NUMBER OF STAFF MEMBERS (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042169A\$'10#79#99#98#96' Flags: SCR: 159 / CAR:F / CAT:SA COMMENT: DATA AND CHANCE\KNOWING (M10_12) | 252- 253/C 2.0 / DEF: 97 |
| 160 (M10_12B) | M042169B | MEDIAN NUMBER OF STAFF MEMBERS (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042169B\$'10#79#99#98#96' Flags: SCR: 160 / CAR:F / CAT:SA COMMENT: DATA AND CHANCE\KNOWING (M10_12) | 254- 255/C 2.0 / DEF: 97 |
| 161 (M10_12C) | M042169C | CHANGE IN MEAN AND MEDIAN (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042169C\$'10#70#79#99#98#96' Flags: SCR: 161 / CAR:F / CAT:SA COMMENT: DATA AND CHANCE\APPLYING (M10_12) | 256- 257/C 2.0 / DEF: 97 |
| 162 (M11_01) | M032352 | THE SHADOW LENGTHS OF FOUR BUSHES (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M032352\$'1#2#3#4#9#8#6' Flags: SCR: 162 / CAR:F / CAT:M3 COMMENT: ALGEBRA\APPLYING (T) (M11_01) | 258 /C 1.0 / DEF: 7 |
| 163 (M11_02) | M032725 | WRITE 3 5/6 IN DECIMAL FORM (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032725\$'10#70#79#99#98#96' Flags: SCR: 163 / CAR:F / CAT:SA COMMENT: NUMBER\KNOWING (T) (M11_02) | 259- 260/C 2.0 / DEF: 97 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---|--|---|-----------------|
| 164 (M11_03) | M032683 | SIMPLIFY 3X/8 PLUS X/4 PLUS X/2 (2) | 20 10 11 70 71 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032683\$'20#10#11#70#71#79#99#98#96' Flags: SCR: 164 / CAR:F / CAT:SA / DEF: 97 COMMENT: ALGEBRA\KNOWING (T) (M11_03) | 261- 262/C 2.0 |
| 165 (M11_04) | M032738 | WHAT XY PLUS 1 MEAN (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M032738\$'1#2#3#4#9#8#6' Flags: SCR: 165 / CAR:F / CAT:M4 / DEF: 7 COMMENT: ALGEBRA\KNOWING (T) (M11_04) | 263 /C 1.0 |
| 166 (M11_05) | M032295 | M BOYS AND N GIRLS IN A PARADE (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M032295\$'1#2#3#4#9#8#6' Flags: SCR: 166 / CAR:F / CAT:M1 / DEF: 7 COMMENT: ALGEBRA\KNOWING (T) (M11_05) | 264 /C 1.0 |
| 167 (M11_06) | M032331 | DEGREES MINUTE HAND OF CLOCK TURNS (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M032331\$'1#2#3#4#9#8#6' Flags: SCR: 167 / CAR:F / CAT:M2 / DEF: 7 COMMENT: GEOMETRY\APPLYING (T) (M11_06) | 265 /C 1.0 |
| 168 (M11_07) | M032623 | AREA OF THE SHADED REGION IN FIGURE (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M032623\$'1#2#3#4#9#8#6' Flags: SCR: 168 / CAR:F / CAT:M4 / DEF: 7 COMMENT: GEOMETRY\APPLYING (T) (M11_07) | 266 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|----------------------------------|--|-----------------------------|
| 174 (M11_13A) | M032681A | CAR PRODUCTION GRAPH/TIME CARS MADE (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032681A\$'10#70#79#99#98#96' Flags: SCR: 174 / CAR:F / CAT:SA COMMENT: DATA AND CHANCE\KNOWING (T) (M11_13) | 272- 273/C 2.0 / DEF: 97 |
| 175 (M11_13B) | M032681B | CAR PRODUCTION GRAPH/AVERAGE BY HOUR (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032681B\$'10#70#79#99#98#96' Flags: SCR: 175 / CAR:F / CAT:SA COMMENT: DATA AND CHANCE\APPLYING (T) (M11_13) | 274- 275/C 2.0 / DEF: 97 |
| 176 (M11_13C) | M032681C | CAR PRODUCTION GRAPH/IDENTIFY TIME (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032681C\$'10#79#99#98#96' Flags: SCR: 176 / CAR:F / CAT:SA COMMENT: DATA AND CHANCE\APPLYING (T) (M11_13) | 276- 277/C 2.0 / DEF: 97 |
| 177 (M12_01) | M042015 | WHAT IS THE VALUE OF CUBE OF 3 (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042015\$'1#2#3#4#9#8#6' Flags: SCR: 177 / CAR:F / CAT:M3 COMMENT: NUMBER\KNOWING (M12_01) | 278 /C 1.0 / DEF: 7 |
| 178 (M12_02) | M042196 | SPEED ON THE SPEEDOMETER (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042196\$'1#2#3#4#9#8#6' Flags: SCR: 178 / CAR:F / CAT:M3 COMMENT: NUMBER\KNOWING (M12_02) | 279 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|----------------------------------|--|-----------------------------|
| 179 (M12_03) | M042194 | PRESENT OF GAMES THE TEAM LOSE (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042194\$'10#79#99#98#96' Flags: SCR: 179 / CAR:F / CAT:SA COMMENT: NUMBER\KNOWING (M12_03) | 280- 281/C 2.0 / DEF: 97 |
| 180 (M12_04A) | M042114A | COMPLETE THE TABLE (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042114A\$'10#70#79#99#98#96' Flags: SCR: 180 / CAR:F / CAT:SA COMMENT: NUMBER\KNOWING (M12_04) | 282- 283/C 2.0 / DEF: 97 |
| 181 (M12_04B) | M042114B | NUMBER OF PAPERS IN A 28MM STACK (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042114B\$'10#79#99#98#96' Flags: SCR: 181 / CAR:F / CAT:SA COMMENT: NUMBER\APPLYING (M12_04) | 284- 285/C 2.0 / DEF: 97 |
| 182 (M12_05) | M042112 | RELATIONSHIP BETWEEN X AND Y (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M042112\$'1#2#3#4#9#8#6' Flags: SCR: 182 / CAR:F / CAT:M4 COMMENT: ALGEBRA\APPLYING (M12_05) | 286 /C 1.0 / DEF: 7 |
| 183 (M12_06) | M042109 | FORMULA FOR THE DISTANCE CAR TRAVELS (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M042109\$'1#2#3#4#9#8#6' Flags: SCR: 183 / CAR:F / CAT:M4 COMMENT: ALGEBRA\APPLYING (M12_06) | 287 /C 1.0 / DEF: 7 |
| 184 (M12_07) | M042050 | WHAT IS THE VALUE OF THE EXPRESSION (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042050\$'10#79#99#98#96' Flags: SCR: 184 / CAR:F / CAT:SA COMMENT: ALGEBRA\KNOWING (M12_07) | 288- 289/C 2.0 / DEF: 97 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---|--|--|-----------------------------|
| 185 (M12_08A) | M042074A | NO OF CIRCLES FOR PATTERN 4 AND 30 (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042074A\$'10#79#99#98#96' Flags: SCR: 185 / CAR:F / CAT:SA COMMENT: ALGEBRA\REASONING (M12_08) | 290- 291/C 2.0 / DEF: 97 |
| 186 (M12_08B) | M042074B | PROCEDURE FOR FINDING THE NUMBER (1) | 10 11 12 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042074B\$'10#11#12#79#99#98#96' Flags: SCR: 186 / CAR:F / CAT:SA COMMENT: ALGEBRA\REASONING (M12_08) | 292- 293/C 2.0 / DEF: 97 |
| 187 (M12_08C) | M042074C | RULE FOR FINDING NUMBER OF CIRCLES (1) | 10 11 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042074C\$'10#11#79#99#98#96' Flags: SCR: 187 / CAR:F / CAT:SA COMMENT: ALGEBRA\REASONING (M12_08) | 294- 295/C 2.0 / DEF: 97 |
| 188 (M12_09) | M042151 | SHAPE WITH AB AS LINE OF SYMMETRY (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042151\$'10#79#99#98#96' Flags: SCR: 188 / CAR:F / CAT:SA COMMENT: GEOMETRY\APPLYING (M12_09) | 296- 297/C 2.0 / DEF: 97 |
| 189 (M12_10) | M042132 | WHAT IS THE PERIMETER OF THE FIGURE (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M042132\$'1#2#3#4#9#8#6' Flags: SCR: 189 / CAR:F / CAT:M1 COMMENT: GEOMETRY\REASONING (M12_10) | 298 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|---------------------------------|--|--|
| 190 (M12_11) | M042257 | WHICH 2 SHAPES FIT TOGETHER (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042257\$'1#2#3#4#9#8#6' Flags: SCR: 190 / CAR:F / CAT:M3 COMMENT: GEOMETRY\REASONING (M12_11) | 299 /C 1.0 / DEF: 7 |
| 191 (M12_12) | M042158 | DIFFERENCE BETWEEN HIGH AND LOW TEMP (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M042158\$'1#2#3#4#9#8#6' Flags: SCR: 191 / CAR:F / CAT:M2 COMMENT: DATA AND CHANCE\KNOWING (M12_12) | 300 /C 1.0 / DEF: 7 |
| 192 (M12_13) | M042252 | SPEED TIME GRAPH (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M042252\$'1#2#3#4#9#8#6' Flags: SCR: 192 / CAR:F / CAT:M1 COMMENT: DATA AND CHANCE\APPLYING (M12_13) | 301 /C 1.0 / DEF: 7 |
| 193 (M12_14) | M042261 | HOW LIKELY IT WILL RAIN (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042261\$'1#2#3#4#9#8#6' Flags: SCR: 193 / CAR:F / CAT:M3 COMMENT: DATA AND CHANCE\KNOWING (M12_14) | 302 /C 1.0 / DEF: 7 |
| 194 (M13_01) | M032166 | BEST ESTIMATE OF (7.21X3.86)/10.09 (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M032166\$'1#2#3#4#9#8#6' Flags: SCR: 194 / CAR:F / CAT:M2 COMMENT: NUMBER\KNOWING (T) (M13_01) | 303 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---|--|---|-----------------|
| 195 (M13_02) | M032721 | SALES OF TWO TYPES OF SOFT DRINK (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M032721\$'1#2#3#4#9#8#6' Flags: SCR: 195 / CAR:F / CAT:M2 / DEF: 7 COMMENT: DATA AND CHANCE\REASONING (T) (M13_02) | 304 /C 1.0 |
| 196 (M13_03) | M032757 | RED/BLACK TILES_COMPLETE TABLE (2) | 20 10 70 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032757\$'20#10#70#79#99#98#96' Flags: SCR: 196 / CAR:F / CAT:SA / DEF: 97 COMMENT: ALGEBRA\REASONING (T) (M13_03) | 305- 306/C 2.0 |
| 197 (M13_04A) | M032760A | RED/BLACK TILES_SHAPE WITH 64 TILES (2) | 20 10 11 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032760A\$'20#10#11#79#99#98#96' Flags: SCR: 197 / CAR:F / CAT:SA / DEF: 97 COMMENT: ALGEBRA\REASONING (T) (M13_04) | 307- 308/C 2.0 |
| 198 (M13_04B) | M032760B | RED/BLACK TILES_SHAPE WITH 49 TILES (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032760B\$'10#79#99#98#96' Flags: SCR: 198 / CAR:F / CAT:SA / DEF: 97 COMMENT: ALGEBRA\REASONING (T) (M13_04) | 309- 310/C 2.0 |
| 199 (M13_04C) | M032760C | RED/BLACK TILES_SHAPE WITH 44 TILES (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032760C\$'10#79#99#98#96' Flags: SCR: 199 / CAR:F / CAT:SA / DEF: 97 COMMENT: ALGEBRA\REASONING (T) (M13_04) | 311- 312/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|---|-----------------|
| 200 (M13_05) | M032761 | RED/BLACK TILES_FIGURE N (2) | 20 21 10 11 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032761\$'20#21#10#11#70#79#99#98#96' Flags: SCR: 200 / CAR:F / CAT:SA / DEF: 97 COMMENT: ALGEBRA\REASONING (T) (M13_05) | 313- 314/C 2.0 |
| 201 (M13_06) | M032692 | SUM OF INTERIOR ANGLES OF PENTAGON (2) | 20 10 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M032692\$'20#10#79#99#98#96' Flags: SCR: 201 / CAR:F / CAT:SA / DEF: 97 COMMENT: GEOMETRY\REASONING (T) (M13_06) | 315- 316/C 2.0 |
| 202 (M13_07) | M032626 | 36 AS A PRODUCT OF PRIME FACTORS (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M032626\$'1#2#3#4#9#8#6' Flags: SCR: 202 / CAR:F / CAT:M4 / DEF: 7 COMMENT: NUMBER\KNOWING (T) (M13_07) | 317 /C 1.0 |
| 203 (M13_08) | M032595 | THE PERCENTAGE OF CAPS FOR SALE (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M032595\$'1#2#3#4#9#8#6' Flags: SCR: 203 / CAR:F / CAT:M3 / DEF: 7 COMMENT: NUMBER\APPLYING (T) (M13_08) | 318 /C 1.0 |
| 204 (M13_09) | M032673 | IF T IS A NUMBER BETWEEN 6 AND 9 (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M032673\$'1#2#3#4#9#8#6' Flags: SCR: 204 / CAR:F / CAT:M3 / DEF: 7 COMMENT: ALGEBRA\KNOWING (T) (M13_09) | 319 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|-----------------------------------|--|---|-----------------|
| 205 (M14_01) | M042182 | HOW FAR DID JOHN JUMP (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042182\$'1#2#3#4#9#8#6' Flags: SCR: 205 / CAR:F / CAT:M3 / DEF: 7 COMMENT: NUMBER\APPLYING (M14_01) | 320 /C 1.0 |
| 206 (M14_02) | M042081 | WRITE AS DECIMAL NUMBER (1) | 10 70 71 72 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042081\$'10#70#71#72#79#99#98#96' Flags: SCR: 206 / CAR:F / CAT:SA / DEF: 97 COMMENT: NUMBER\KNOWING (M14_02) | 321- 322/C 2.0 |
| 207 (M14_03) | M042049 | WHAT IS VALUE OF $3X+3Y$ (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042049\$'1#2#3#4#9#8#6' Flags: SCR: 207 / CAR:F / CAT:M3 / DEF: 7 COMMENT: ALGEBRA\KNOWING (M14_03) | 323 /C 1.0 |
| 208 (M14_04) | M042052 | RATIO EQUIVALENT TO 1:4 (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: M042052\$'1#2#3#4#9#8#6' Flags: SCR: 208 / CAR:F / CAT:M1 / DEF: 7 COMMENT: NUMBER\KNOWING (M14_04) | 324 /C 1.0 |
| 209 (M14_05) | M042076 | EXPRESSION FOR ONE-FIFTH OF X (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: M042076\$'1#2#3#4#9#8#6' Flags: SCR: 209 / CAR:F / CAT:M4 / DEF: 7 COMMENT: ALGEBRA\KNOWING (M14_05) | 325 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--------------------------------------|--|--|-----------------|
| 210 (M14_06A) | M042302A | COST OF PHONE FOR 1 YEAR (2) | 20 10 11 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042302A\$'20#10#11#79#99#98#96' Flags: SCR: 210 / CAR:F / CAT:SA / DEF: 97 COMMENT: NUMBER\APPLYING (M14_06) | 326- 327/C 2.0 |
| 211 (M14_06B) | M042302B | PAY AFTER FIRST YEAR (2) | 20 21 10 11 12 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042302B\$'20#21#10#11#12#79#99#98#96' Flags: SCR: 211 / CAR:F / CAT:SA / DEF: 97 COMMENT: NUMBER\APPLYING (M14_06) | 328- 329/C 2.0 |
| 212 (M14_06C) | M042302C | WHICH PLAN IS LESS EXPENSIVE (2) | 20 10 11 70 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042302C\$'20#10#11#70#79#99#98#96' Flags: SCR: 212 / CAR:F / CAT:SA / DEF: 97 COMMENT: NUMBER\REASONING (M14_06) | 330- 331/C 2.0 |
| 213 (M14_07) | M042100 | PAIR OF NUMBERS THAT SATISFY EQN (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: M042100\$'1#2#3#4#9#8#6' Flags: SCR: 213 / CAR:F / CAT:M3 / DEF: 7 COMMENT: ALGEBRA\KNOWING (M14_07) | 332 /C 1.0 |
| 214 (M14_08) | M042202 | FORMULA FOR K THE COST OF TRIP (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: M042202\$'1#2#3#4#9#8#6' Flags: SCR: 214 / CAR:F / CAT:M2 / DEF: 7 COMMENT: ALGEBRA\APPLYING (M14_08) | 333 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------|
| 220 (M14_14) | M042164 | AGREE/DISAGREE WITH THE SALESMAN (1) | 10 11 12 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042164\$'10#11#12#70#79#99#98#96' Flags: SCR: 220 / CAR:F / CAT:SA / DEF: 97 COMMENT: DATA AND CHANCE\REASONING (M14_14) | 341- 342/C 2.0 |
| 221 (M14_15) | M042167 | OVERALL AVERAGE OF 9 FOR AHMED (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: M042167\$'10#79#99#98#96' Flags: SCR: 221 / CAR:F / CAT:SA / DEF: 97 COMMENT: DATA AND CHANCE\REASONING (M14_15) | 343- 344/C 2.0 |
| 222 (S01_01) | S032115 | PERCENTAGE OF FRESH WATER ON EARTH (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S032115\$'1#2#3#4#9#8#6' Flags: SCR: 222 / CAR:F / CAT:M4 / DEF: 7 COMMENT: EARTH SCIENCE\KNOWING (T) (S01_01) | 345 /C 1.0 |
| 223 (S01_02) | S032565 | DENSITY OF SALT SOLUTION (1) | 10 11 19 70 71 72 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032565\$'10#11#19#70#71#72#79#99#98#96' Flags: SCR: 223 / CAR:F / CAT:SA / DEF: 97 COMMENT: CHEMISTRY\REASONING (T) (S01_02) | 346- 347/C 2.0 |
| 224 (S01_03) | S032403 | LIQUID COMPARED TO A GAS (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S032403\$'1#2#3#4#9#8#6' Flags: SCR: 224 / CAR:F / CAT:M3 / DEF: 7 COMMENT: PHYSICS\KNOWING (T) (S01_03) | 348 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------|
| 225 (S01_04) | S032273 | IRON NAIL WITH WIRE COILED AROUND IT (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S032273\$'1#2#3#4#9#8#6' Flags: SCR: 225 / CAR:F / CAT:M3 / DEF: 7 COMMENT: PHYSICS\KNOWING (T) (S01_04) | 349 /C 1.0 |
| 226 (S01_05A) | S032019A | PHYSICAL CAUSES OF WEATHERING (1) | 10 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032019A\$'10#19#70#71#79#99#98#96' Flags: SCR: 226 / CAR:F / CAT:SA / DEF: 97 COMMENT: EARTH SCIENCE\APPLYING (T) (S01_05) | 350- 351/C 2.0 |
| 227 (S01_05B) | S032019B | CHEMICAL CAUSES OF WEATHERING (1) | 10 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032019B\$'10#19#70#71#79#99#98#96' Flags: SCR: 227 / CAR:F / CAT:SA / DEF: 97 COMMENT: EARTH SCIENCE\APPLYING (T) (S01_05) | 352- 353/C 2.0 |
| 228 (S01_06) | S032516 | EFFECT OF CUTTING DOWN THE TREES (1) | 10 11 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032516\$'10#11#19#70#71#79#99#98#96' Flags: SCR: 228 / CAR:F / CAT:SA / DEF: 97 COMMENT: EARTH SCIENCE\APPLYING (T) (S01_06) | 354- 355/C 2.0 |
| 229 (S01_07) | S032620 | HUMAN POPULATION GRAPHS (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S032620\$'1#2#3#4#9#8#6' Flags: SCR: 229 / CAR:F / CAT:M1 / DEF: 7 COMMENT: BIOLOGY\REASONING (T) (S01_07) | 356 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|-------------------------------------|--|---|-----------------------------|
| 230 (S01_08A) | S032693A | COMPLETE THE FOOD WEB (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032693A\$'10#70#79#99#98#96' Flags: SCR: 230 / CAR:F / CAT:SA COMMENT: BIOLOGY\REASONING (T) (S01_08) | 357- 358/C 2.0 / DEF: 97 |
| 231 (S01_08B) | S032693B | SHARKS WHEN TUNA BECOMES SCARCE (1) | 10 11 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032693B\$'10#11#19#70#71#79#99#98#96' Flags: SCR: 231 / CAR:F / CAT:SA COMMENT: BIOLOGY\REASONING (T) (S01_08) | 359- 360/C 2.0 / DEF: 97 |
| 232 (S01_09) | S032695 | HOW ORGANISM SURVIVES LOW TIDE (2) | 20 29 10 19 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032695\$'20#29#10#19#70#79#99#98#96' Flags: SCR: 232 / CAR:F / CAT:SA COMMENT: BIOLOGY\REASONING (T) (S01_09) | 361- 362/C 2.0 / DEF: 97 |
| 233 (S01_10A) | S032697A | AT THE BOTTOM OF OCEAN (1) | 10 11 12 13 19 70 71 79 99 98 96 | CORRECT RESP CORRECT RESP CORRECT RESP CORRECT RESP CORRECT RESP INCORRECT RESP INCORRECT RESP INCORRECT RESP omitted not admin. not reached VLD: S032697A\$'10#11#12#13#19#70#71#79#99#98#96' Flags: SCR: 233 / CAR:F / CAT:SA COMMENT: BIOLOGY\APPLYING (T) (S01_10) | 363- 364/C 2.0 / DEF: 97 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|---|-----------------|
| 234 (S01_10B) | S032697B | AT THE BOTTOM OF OCEAN (1) | 10 11 12 13 19 70 71 79 99 98 96 | CORRECT RESP CORRECT RESP CORRECT RESP CORRECT RESP CORRECT RESP INCORRECT RESP INCORRECT RESP INCORRECT RESP omitted not admin. not reached VLD: S032697B\$'10#11#12#13#19#70#71#79#99#98#96' Flags: SCR: 234 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\APPLYING (T) (S01_10) | 365- 366/C 2.0 |
| 235 (S01_10D) | S032697D | AT THE BOTTOM OF OCEAN (2) | 20 10 70 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032697D\$'20#10#70#79#99#98#96' Flags: SCR: 235 / CAR:F / CAT:DPC_D / DEF: 97 COMMENT: BIOLOGY\APPLYING (T) (S01_10) | 367- 368/C 2.0 |
| 236 (S02_01) | S042009 | COMPLEX MOLECULES ARE BROKEN DOWN (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042009\$'1#2#3#4#9#8#6' Flags: SCR: 236 / CAR:F / CAT:M3 / DEF: 7 COMMENT: BIOLOGY\KNOWING (S02_01) | 369 /C 1.0 |
| 237 (S02_02) | S042313 | WHY ONE FRIEND DID NOT GET INFLUENZA (1) | 10 11 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042313\$'10#11#19#70#71#79#99#98#96' Flags: SCR: 237 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\APPLYING (S02_02) | 370- 371/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|---|-----------------|
| 238 (S02_03) | S042059 | HIGHEST PERCENTAGE OF PROTEIN (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042059\$'1#2#3#4#9#8#6' Flags: SCR: 238 / CAR:F / CAT:M4 / DEF: 7 COMMENT: BIOLOGY\KNOWING (S02_03) | 372 /C 1.0 |
| 239 (S02_04) | S042011 | BODY TEMPERATURE IN HOT/COLD CLIMATE (1) | 10 70 71 72 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042011\$'10#70#71#72#79#99#98#96' Flags: SCR: 239 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\APPLYING (S02_04) | 373- 374/C 2.0 |
| 240 (S02_05) | S042028 | WHICH ONE FORMS AFTER FERTILIZATION (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042028\$'1#2#3#4#9#8#6' Flags: SCR: 240 / CAR:F / CAT:M3 / DEF: 7 COMMENT: BIOLOGY\KNOWING (S02_05) | 375 /C 1.0 |
| 241 (S02_06) | S042001 | ANIMAL WITH SCALES AND LUNGS (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042001\$'1#2#3#4#9#8#6' Flags: SCR: 241 / CAR:F / CAT:M2 / DEF: 7 COMMENT: BIOLOGY\KNOWING (S02_06) | 376 /C 1.0 |
| 242 (S02_07) | S042276 | COLOR OF AN OBJECT AND LIGHT WAVES (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042276\$'1#2#3#4#9#8#6' Flags: SCR: 242 / CAR:F / CAT:M3 / DEF: 7 COMMENT: PHYSICS\APPLYING (S02_07) | 377 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------|
| 243 (S02_08) | S042279 | SOUND WAVES OF LARGE/SMALL AMPLITUDE (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042279\$'1#2#3#4#9#8#6' Flags: SCR: 243 / CAR:F / CAT:M2 COMMENT: PHYSICS\KNOWING (S02_08) | 378 /C 1.0 |
| 244 (S02_09) | S042083 | SEPARATION OF SALT/SAND/LEAVES (2) | 20 10 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042083\$'20#10#79#99#98#96' Flags: SCR: 244 / CAR:F / CAT:SA COMMENT: CHEMISTRY\REASONING (S02_09) | 379- 380/C 2.0 |
| 245 (S02_10) | S042106 | MASS FOR FIGURE 2 (1) | 10 11 70 71 72 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042106\$'10#11#70#71#72#79#99#98#96' Flags: SCR: 245 / CAR:F / CAT:SA COMMENT: CHEMISTRY\APPLYING (S02_10) | 381- 382/C 2.0 |
| 246 (S02_11) | S042071 | CORRECT MODEL OF ATOMIC PARTICLES (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042071\$'1#2#3#4#9#8#6' Flags: SCR: 246 / CAR:F / CAT:M3 COMMENT: CHEMISTRY\KNOWING (S02_11) | 383 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---|--|--|-----------------|
| 247 (S02_12) | S042101 | TYPE OF CHANGE IN THE MILK (1) | 10 11 12 13 19 70 71 79 99 98 96 | CORRECT RESP CORRECT RESP CORRECT RESP CORRECT RESP CORRECT RESP INCORRECT RESP INCORRECT RESP INCORRECT RESP omitted not admin. not reached VLD: S042101\$'10#11#12#13#19#70#71#79#99#98#96' Flags: SCR: 247 / CAR:F / CAT:SA / DEF: 97 COMMENT: CHEMISTRY\APPLYING (S02_12) | 384- 385/C 2.0 |
| 248 (S02_13) | S042307 | HOW SOIL IS FORMED (1) | 10 11 12 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042307\$'10#11#12#79#99#98#96' Flags: SCR: 248 / CAR:F / CAT:SA / DEF: 97 COMMENT: EARTH SCIENCE\KNOWING (S02_13) | 386- 387/C 2.0 |
| 249 (S02_14) | S042405 | WEATHER IN TOWNS 4 AND 5 ON TUESDAY (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042405\$'1#2#3#4#9#8#6' Flags: SCR: 249 / CAR:F / CAT:M3 / DEF: 7 COMMENT: EARTH SCIENCE\APPLYING (S02_14) | 388 /C 1.0 |
| 250 (S02_15A) | S042244A | MATCHING DIAGRAM WITH LEVER PARTS (1) | 10 70 71 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042244A\$'10#70#71#79#99#98#96' Flags: SCR: 250 / CAR:F / CAT:SA / DEF: 97 COMMENT: PHYSICS\APPLYING (S02_15) | 389- 390/C 2.0 |
| 251 (S02_15B) | S042244B | FORCE EXERTED BY EACH MAN (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042244B\$'10#79#99#98#96' Flags: SCR: 251 / CAR:F / CAT:SA / DEF: 97 COMMENT: PHYSICS\APPLYING (S02_15) | 391- 392/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---------------------------------------|--|---|-----------------|
| 252 (S02_16) | S042153 | WHY RECYCLING IS IMPORTANT (1) | 10 11 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042153\$'10#11#19#70#71#79#99#98#96' Flags: SCR: 252 / CAR:F / CAT:SA / DEF: 97 COMMENT: EARTH SCIENCE\KNOWING (S02_16) | 393- 394/C 2.0 |
| 253 (S03_01) | S022183 | GAS NEEDED FOR RUST TO FORM (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S022183\$'1#2#3#4#9#8#6' Flags: SCR: 253 / CAR:F / CAT:M2 / DEF: 7 COMMENT: CHEMISTRY\KNOWING (T) (S03_01) | 395 /C 1.0 |
| 254 (S03_02) | S022276 | OBSERVATION OF BUBBLING ELECTRODE (A) | 1 2 3 4 5 9 8 6 | A* B C D E omitted not admin. not reached VLD: S022276\$'1#2#3#4#5#9#8#6' Flags: SCR: 254 / CAR:F / CAT:M1 / DEF: 7 COMMENT: CHEMISTRY\KNOWING (T) (S03_02) | 396 /C 1.0 |
| 255 (S03_03) | S022115 | OXYGEN/CARBON DIOXIDE CYCLE (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S022115\$'1#2#3#4#9#8#6' Flags: SCR: 255 / CAR:F / CAT:M4 / DEF: 7 COMMENT: BIOLOGY\REASONING (T) (S03_03) | 397 /C 1.0 |
| 256 (S03_04) | S022022 | CURRENT/VOLTAGE TABLE (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S022022\$'10#70#79#99#98#96' Flags: SCR: 256 / CAR:F / CAT:SA / DEF: 97 COMMENT: PHYSICS\REASONING (T) (S03_04) | 398- 399/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---------------------------------------|--|--|---|
| 257 (S03_05) | S022019 | TRANSMISSION OF SOUND ON THE MOON (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S022019\$'1#2#3#4#9#8#6' Flags: SCR: 257 / CAR:F / CAT:M3 COMMENT: PHYSICS\APPLYING (T) (S03_05) | 400 /C 1.0 / DEF: 7 |
| 258 (S03_06) | S022002 | HEAT CONDUCTIVITY EXPERIMENT (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S022002\$'1#2#3#4#9#8#6' Flags: SCR: 258 / CAR:F / CAT:M3 COMMENT: PHYSICS\APPLYING (T) (S03_06) | 401 /C 1.0 / DEF: 7 |
| 259 (S03_07) | S022294 | ENERGY FOR EARTHS WATER CYCLE (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S022294\$'1#2#3#4#9#8#6' Flags: SCR: 259 / CAR:F / CAT:M2 COMMENT: EARTH SCIENCE\KNOWING (T) (S03_07) | 402 /C 1.0 / DEF: 7 |
| 260 (S03_08) | S022106 | ANIMAL ON EARTH LONGEST TIME (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S022106\$'1#2#3#4#9#8#6' Flags: SCR: 260 / CAR:F / CAT:M3 COMMENT: BIOLOGY\KNOWING (T) (S03_08) | 403 /C 1.0 / DEF: 7 |
| 261 (S03_09) | S022244 | ACID RAIN FROM SULFUR DIOXIDE (1) | 10 11 19 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S022244\$'10#11#19#70#79#99#98#96' Flags: SCR: 261 / CAR:F / CAT:SA COMMENT: EARTH SCIENCE\REASONING (T) (S03_09) | 404- 405/C 2.0 / DEF: 97 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|---|-----------------|
| 262 (S03_10) | S022150 | ORGANIZATION IN LIVING THINGS (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S022150\$'1#2#3#4#9#8#6' Flags: SCR: 262 / CAR:F / CAT:M1 COMMENT: BIOLOGY\APPLYING (T) (S03_10) | 406 /C 1.0 |
| 263 (S03_11) | S022042 | GRAPH INTERPRETATION OF BICYCLE RIDE (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S022042\$'1#2#3#4#9#8#6' Flags: SCR: 263 / CAR:F / CAT:M2 COMMENT: PHYSICS\REASONING (T) (S03_11) | 407 /C 1.0 |
| 264 (S03_12) | S022289 | HEART RATE INCREASING WITH EXERCISE (2) | 20 29 10 11 12 19 70 79 99 98 96 | CORRECT RESP CORRECT RESP PARTIAL RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESP INCORRECT RESP omitted not admin. not reached VLD: S022289\$'20#29#10#11#12#19#70#79#99#98#96' Flags: SCR: 264 / CAR:F / CAT:SA COMMENT: BIOLOGY\REASONING (T) (S03_12) | 408- 409/C 2.0 |
| 265 (S03_13) | S022069 | TEMPERATURE OF BOILING WATER (1) | 10 70 71 72 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S022069\$'10#70#71#72#79#99#98#96' Flags: SCR: 265 / CAR:F / CAT:SA COMMENT: PHYSICS\APPLYING (T) (S03_13) | 410- 411/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--------------------------------------|--|---|-----------------|
| 266 (S03_14) | S022268 | FREEZING SALT WATER EXPERIMENT (1) | 10 11 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S022268\$'10#11#19#70#71#79#99#98#96' Flags: SCR: 266 / CAR:F / CAT:SA / DEF: 97 COMMENT: PHYSICS\REASONING (T) (S03_14) | 412- 413/C 2.0 |
| 267 (S04_01) | S042013 | CELLS THAT CONDUCT MESSAGES (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042013\$'1#2#3#4#9#8#6' Flags: SCR: 267 / CAR:F / CAT:M2 / DEF: 7 COMMENT: BIOLOGY\KNOWING (S04_01) | 414 /C 1.0 |
| 268 (S04_02) | S042006 | WHAT IS ORGAN X (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042006\$'1#2#3#4#9#8#6' Flags: SCR: 268 / CAR:F / CAT:M3 / DEF: 7 COMMENT: BIOLOGY\KNOWING (S04_02) | 415 /C 1.0 |
| 269 (S04_03) | S042310 | PREDICT THE HEIGHT OF PEA PLANTS (2) | 20 10 70 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042310\$'20#10#70#79#99#98#96' Flags: SCR: 269 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\REASONING (S04_03) | 416- 417/C 2.0 |
| 270 (S04_04) | S042052 | PROBLEMS DUE TO POPULATION (2) | 20 10 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042052\$'20#10#79#99#98#96' Flags: SCR: 270 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\APPLYING (S04_04) | 418- 419/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---|--|--|-----------------|
| 271 (S04_05) | S042054 | WHICH ONE CAUSED BY A VIRUS (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042054\$'1#2#3#4#9#8#6' Flags: SCR: 271 / CAR:F / CAT:M4 COMMENT: BIOLOGY\KNOWING (S04_05) | 420 /C 1.0 |
| 272 (S04_06) | S042043 | DRAW THE DIRECTION OF ENERGY FLOW (1) | 10 11 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042043\$'10#11#70#71#79#99#98#96' Flags: SCR: 272 / CAR:F / CAT:SA COMMENT: BIOLOGY\APPLYING (S04_06) | 421- 422/C 2.0 |
| 273 (S04_07) | S042196 | ADVANTAGE OF PARALLEL CIRCUITS (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042196\$'10#79#99#98#96' Flags: SCR: 273 / CAR:F / CAT:SA COMMENT: PHYSICS\APPLYING (S04_07) | 423- 424/C 2.0 |
| 274 (S04_08) | S042061 | ARRANGEMENT OF PARTICLES IN A METAL (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042061\$'1#2#3#4#9#8#6' Flags: SCR: 274 / CAR:F / CAT:M4 COMMENT: PHYSICS\APPLYING (S04_08) | 425 /C 1.0 |
| 275 (S04_09) | S042292 | MAGNETS 1-2 TOUCH BUT 2-3 DO NOT (2) | 20 10 11 70 71 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042292\$'20#10#11#70#71#79#99#98#96' Flags: SCR: 275 / CAR:F / CAT:SA COMMENT: PHYSICS\APPLYING (S04_09) | 426- 427/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|---------------------------------|--|-----------------|
| 276 (S04_10) | S042109 | GAS NECESSARY FOR COMBUSTION (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042109\$'1#2#3#4#9#8#6' Flags: SCR: 276 / CAR:F / CAT:M2 COMMENT: CHEMISTRY\KNOWING (S04_10) | 428 /C 1.0 |
| 277 (S04_11A) | S042232A | DIFFERENT RESULTS FOR MASS (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042232A\$'10#79#99#98#96' Flags: SCR: 277 / CAR:F / CAT:SA COMMENT: CHEMISTRY\REASONING (S04_11) | 429- 430/C 2.0 |
| 278 (S04_11B) | S042232B | DIFFERENT RESULTS FOR VOLUME (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042232B\$'10#79#99#98#96' Flags: SCR: 278 / CAR:F / CAT:SA COMMENT: CHEMISTRY\REASONING (S04_11) | 431- 432/C 2.0 |
| 279 (S04_11C) | S042232C | GROUP MEASURED THE CLOSEST DENSITY (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042232C\$'1#2#3#4#9#8#6' Flags: SCR: 279 / CAR:F / CAT:M3 COMMENT: CHEMISTRY\REASONING (S04_11) | 433 /C 1.0 |
| 280 (S04_12) | S042294 | DENSITIES OF LIQUIDS AND DISK (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042294\$'1#2#3#4#9#8#6' Flags: SCR: 280 / CAR:F / CAT:M3 COMMENT: PHYSICS\REASONING (S04_12) | 434 /C 1.0 |

| Var. No. | Question | Variable Name | Variable Label | Code | Option | Location/Format |
|----------|----------|---------------|------------------------------------|--|--|---|
| 281 | (S04_13) | S042149 | POLLUTION OF UNDERGROUND WATER (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042149\$'10#79#99#98#96' Flags: SCR: 281 / CAR:F / CAT:SA COMMENT: EARTH SCIENCE\KNOWING (S04_13) | 435- 436/C 2.0 / DEF: 97 |
| 282 | (S04_14) | S042155 | REDUCING SOIL EROSION (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042155\$'10#79#99#98#96' Flags: SCR: 282 / CAR:F / CAT:SA COMMENT: EARTH SCIENCE\APPLYING (S04_14) | 437- 438/C 2.0 / DEF: 97 |
| 283 | (S04_15) | S042150 | WHICH RESOURCE IS NONRENEWABLE (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S042150\$'1#2#3#4#9#8#6' Flags: SCR: 283 / CAR:F / CAT:M1 COMMENT: EARTH SCIENCE\KNOWING (S04_15) | 439 /C 1.0 / DEF: 7 |
| 284 | (S05_01) | S022290 | EARTH YEAR (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S022290\$'1#2#3#4#9#8#6' Flags: SCR: 284 / CAR:F / CAT:M4 COMMENT: EARTH SCIENCE\KNOWING (T) (S05_01) | 440 /C 1.0 / DEF: 7 |
| 285 | (S05_02) | S022292 | WATER LEVEL IN U-TUBE (1) | 10 70 71 72 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S022292\$'10#70#71#72#79#99#98#96' Flags: SCR: 285 / CAR:F / CAT:SA COMMENT: PHYSICS\REASONING (T) (S05_02) | 441- 442/C 2.0 / DEF: 97 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|-------------------------------|--|---|---|
| 286 (S05_03) | S022054 | EXPANSION IN THERMOMETER (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S022054\$'1#2#3#4#9#8#6' Flags: SCR: 286 / CAR:F / CAT:M4 COMMENT: PHYSICS\APPLYING (T) (S05_03) | 443 /C 1.0 / DEF: 7 |
| 287 (S05_04) | S022181 | SUGAR DISSOLVING IN WATER (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S022181\$'1#2#3#4#9#8#6' Flags: SCR: 287 / CAR:F / CAT:M2 COMMENT: CHEMISTRY\KNOWING (T) (S05_04) | 444 /C 1.0 / DEF: 7 |
| 288 (S05_05) | S022208 | NOT A CHEMICAL CHANGE (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S022208\$'1#2#3#4#9#8#6' Flags: SCR: 288 / CAR:F / CAT:M1 COMMENT: CHEMISTRY\KNOWING (T) (S05_05) | 445 /C 1.0 / DEF: 7 |
| 289 (S05_06) | S022078 | LIGHT FROM SUN AND MOON (1) | 10 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S022078\$'10#19#70#71#79#99#98#96' Flags: SCR: 289 / CAR:F / CAT:SA COMMENT: EARTH SCIENCE\APPLYING (T) (S05_06) | 446- 447/C 2.0 / DEF: 97 |
| 290 (S05_07) | S022126 | FUNCTION OF CHLOROPHYLL (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S022126\$'1#2#3#4#9#8#6' Flags: SCR: 290 / CAR:F / CAT:M1 COMMENT: BIOLOGY\KNOWING (T) (S05_07) | 448 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------|
| 291 (S05_08) | S022281 | MASS OF FREEZING WATER (1) | 10 11 12 19 70 71 72 79 99 98 96 | CORRECT RESP CORRECT RESP CORRECT RESP CORRECT RESP INCORRECT RESP INCORRECT RESP INCORRECT RESP INCORRECT RESP omitted not admin. not reached VLD: S022281\$'10#11#12#19#70#71#72#79#99#98#96' Flags: SCR: 291 / CAR:F / CAT:SA / DEF: 97 COMMENT: PHYSICS\APPLYING (T) (S05_08) | 449- 450/C 2.0 |
| 292 (S05_09) | S032385 | CHARACTERISTIC FOUND ONLY IN MAMMALS (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S032385\$'1#2#3#4#9#8#6' Flags: SCR: 292 / CAR:F / CAT:M2 / DEF: 7 COMMENT: BIOLOGY\KNOWING (T) (S05_09) | 451 /C 1.0 |
| 293 (S05_10) | S032035 | WHETHER TWO PEOPLE ARE RELATED (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S032035\$'1#2#3#4#9#8#6' Flags: SCR: 293 / CAR:F / CAT:M3 / DEF: 7 COMMENT: BIOLOGY\KNOWING (T) (S05_10) | 452 /C 1.0 |
| 294 (S05_11) | S032519 | EFFECT OF DAM ON WILDLIFE (1) | 10 11 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032519\$'10#11#19#70#71#79#99#98#96' Flags: SCR: 294 / CAR:F / CAT:SA / DEF: 97 COMMENT: EARTH SCIENCE\KNOWING (T) (S05_11) | 453- 454/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------------------|
| 295 (S05_12) | S032683 | MATERIALS SORTED INTO TWO GROUPS (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S032683\$'1#2#3#4#9#8#6' Flags: SCR: 295 / CAR:F / CAT:M4 COMMENT: CHEMISTRY\APPLYING (T) (S05_12) | 455 /C 1.0 / DEF: 7 |
| 296 (S05_13) | S032258 | GALL BLADDER STORES BILE (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S032258\$'1#2#3#4#9#8#6' Flags: SCR: 296 / CAR:F / CAT:M3 COMMENT: BIOLOGY\KNOWING (T) (S05_13) | 456 /C 1.0 / DEF: 7 |
| 297 (S05_14A) | S032120A | OIL SPILLS (1) | 10 11 19 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032120A\$'10#11#19#70#79#99#98#96' Flags: SCR: 297 / CAR:F / CAT:SA COMMENT: EARTH SCIENCE\APPLYING (T) (S05_14) | 457- 458/C 2.0 / DEF: 97 |
| 298 (S05_14B) | S032120B | GLOBAL WARMING (1) | 10 11 12 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032120B\$'10#11#12#19#70#71#79#99#98#96' Flags: SCR: 298 / CAR:F / CAT:SA COMMENT: EARTH SCIENCE\APPLYING (T) (S05_14) | 459- 460/C 2.0 / DEF: 97 |
| 299 (S06_01) | S042304 | CONCLUSION FROM PULSE RATE-T GRAPH (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042304\$'1#2#3#4#9#8#6' Flags: SCR: 299 / CAR:F / CAT:M4 COMMENT: BIOLOGY\REASONING (S06_01) | 461 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|---|-----------------|
| 300 (S06_02) | S042038 | WHERE ORGANISMS APPEARED ON EARTH (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S042038\$'1#2#3#4#9#8#6' Flags: SCR: 300 / CAR:F / CAT:M1 / DEF: 7 COMMENT: BIOLOGY\KNOWING (S06_02) | 462 /C 1.0 |
| 301 (S06_03) | S042298 | IMPORTANCE OF REMOVING WEEDS (1) | 10 11 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042298\$'10#11#70#79#99#98#96' Flags: SCR: 301 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\APPLYING (S06_03) | 463- 464/C 2.0 |
| 302 (S06_04) | S042261 | LIFE FUNCTION OF PARAMECIUM (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042261\$'10#70#79#99#98#96' Flags: SCR: 302 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\KNOWING (S06_04) | 465- 466/C 2.0 |
| 303 (S06_05A) | S042051A | YEAR OF HIGHEST RABBIT POPULATION (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042051A\$'10#70#79#99#98#96' Flags: SCR: 303 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\APPLYING (S06_05) | 467- 468/C 2.0 |
| 304 (S06_05B) | S042051B | RELATION OF RABBIT-FOX POPULATIONS (1) | 10 11 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042051B\$'10#11#70#71#79#99#98#96' Flags: SCR: 304 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\REASONING (S06_05) | 469- 470/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---|--|--|-----------------------------|
| 305 (S06_06) | S042076 | NUMBER OF ATOMS IN H2SO4 MOLECULE (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042076\$'10#79#99#98#96' Flags: SCR: 305 / CAR:F / CAT:SA COMMENT: CHEMISTRY\KNOWING (S06_06) | 471- 472/C 2.0 / DEF: 97 |
| 306 (S06_07) | S042404 | LIQUID ON OUTSIDE OF PITCHER (2) | 20 10 11 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042404\$'20#10#11#79#99#98#96' Flags: SCR: 306 / CAR:F / CAT:SA COMMENT: EARTH SCIENCE\APPLYING (S06_07) | 473- 474/C 2.0 / DEF: 97 |
| 307 (S06_08) | S042306 | DEFINITION OF A COMPOUND (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042306\$'1#2#3#4#9#8#6' Flags: SCR: 307 / CAR:F / CAT:M3 COMMENT: CHEMISTRY\KNOWING (S06_08) | 475 /C 1.0 / DEF: 7 |
| 308 (S06_09) | S042403 | FIND OUT IF METAL 2 IS A MAGNET (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042403\$'10#70#79#99#98#96' Flags: SCR: 308 / CAR:F / CAT:SA COMMENT: PHYSICS\REASONING (S06_09) | 476- 477/C 2.0 / DEF: 97 |
| 309 (S06_10) | S042272 | MOLECULES OF A LIQUID WHEN IT COOLS (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S042272\$'1#2#3#4#9#8#6' Flags: SCR: 309 / CAR:F / CAT:M1 COMMENT: PHYSICS\KNOWING (S06_10) | 478 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--------------------------------------|----------------------------------|---|-----------------------------|
| 310 (S06_11) | S042100 | OBSERVATIONS FOR REACTION (2) | 20 10 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042100\$'20#10#79#99#98#96' Flags: SCR: 310 / CAR:F / CAT:SA COMMENT: CHEMISTRY\KNOWING (S06_11) | 479- 480/C 2.0 / DEF: 97 |
| 311 (S06_12A) | S042238A | POSITION OF THERMOMETER (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042238A\$'1#2#3#4#9#8#6' Flags: SCR: 311 / CAR:F / CAT:M3 COMMENT: PHYSICS\REASONING (S06_12) | 481 /C 1.0 / DEF: 7 |
| 312 (S06_12B) | S042238B | ONE VARIABLE KEPT CONSTANT (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042238B\$'10#79#99#98#96' Flags: SCR: 312 / CAR:F / CAT:SA COMMENT: PHYSICS\REASONING (S06_12) | 482- 483/C 2.0 / DEF: 97 |
| 313 (S06_12C) | S042238C | CONCLUSION FROM THE GRAPH (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042238C\$'10#70#79#99#98#96' Flags: SCR: 313 / CAR:F / CAT:SA COMMENT: PHYSICS\REASONING (S06_12) | 484- 485/C 2.0 / DEF: 97 |
| 314 (S06_13) | S042141 | WHERE ACTIVE VOLCANOES ARE FOUND (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042141\$'1#2#3#4#9#8#6' Flags: SCR: 314 / CAR:F / CAT:M2 COMMENT: EARTH SCIENCE\KNOWING (S06_13) | 486 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---------------------------------------|--|---|-----------------|
| 315 (S06_14) | S042215 | DIAGRAM OF AN ECLIPSE OF THE MOON (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042215\$'1#2#3#4#9#8#6' Flags: SCR: 315 / CAR:F / CAT:M4 COMMENT: EARTH SCIENCE\KNOWING (S06_14) | 487 /C 1.0 |
| 316 (S07_01) | S032606 | WHICH ORGAN SYSTEM (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S032606\$'1#2#3#4#9#8#6' Flags: SCR: 316 / CAR:F / CAT:M4 COMMENT: BIOLOGY\KNOWING (T) (S07_01) | 488 /C 1.0 |
| 317 (S07_02) | S032015 | STRUCTURE FOUND IN PLANT CELLS (1) | 10 11 12 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032015\$'10#11#12#19#70#71#79#99#98#96' Flags: SCR: 317 / CAR:F / CAT:SA COMMENT: BIOLOGY\KNOWING (T) (S07_02) | 489- 490/C 2.0 |
| 318 (S07_03A) | S032310A | FACTORS FOR PHOTOSYNTHESIS (1) | 10 11 12 13 19 70 71 72 79 99 98 96 | CORRECT RESP CORRECT RESP CORRECT RESP CORRECT RESP CORRECT RESP INCORRECT RESP INCORRECT RESP INCORRECT RESP INCORRECT RESP omitted not admin. not reached VLD: S032310A\$'10#11#12#13#19#70#71#72#79#99#98#96' Flags: SCR: 318 / CAR:F / CAT:SA COMMENT: BIOLOGY\KNOWING (T) (S07_03) | 491- 492/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|-------------------------------------|--|---|-----------------|
| 319 (S07_03B) | S032310B | FACTORS FOR PHOTOSYNTHESIS (1) | 10 11 12 13 19 70 71 72 79 99 98 96 | CORRECT RESP CORRECT RESP CORRECT RESP CORRECT RESP CORRECT RESP INCORRECT RESP INCORRECT RESP INCORRECT RESP INCORRECT RESP omitted not admin. not reached VLD: S032310B\$'10#11#12#13#19#70#71#72#79#99#98#96' Flags: SCR: 319 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\KNOWING (T) (S07_03) | 493- 494/C 2.0 |
| 320 (S07_03D) | S032310D | FACTORS FOR PHOTOSYNTHESIS (2) | 20 10 70 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032310D\$'20#10#70#79#99#98#96' Flags: SCR: 320 / CAR:F / CAT:DPC_D / DEF: 97 COMMENT: BIOLOGY\KNOWING (T) (S07_03) | 495- 496/C 2.0 |
| 321 (S07_04) | S032680 | IDENTIFY IRON, WATER AND OXYGEN (2) | 20 10 11 12 13 19 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032680\$'20#10#11#12#13#19#79#99#98#96' Flags: SCR: 321 / CAR:F / CAT:SA / DEF: 97 COMMENT: CHEMISTRY\REASONING (T) (S07_04) | 497- 498/C 2.0 |
| 322 (S07_05) | S032672 | EXAMPLE OF ACIDIC SOLUTION (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S032672\$'1#2#3#4#9#8#6' Flags: SCR: 322 / CAR:F / CAT:M2 / DEF: 7 COMMENT: CHEMISTRY\KNOWING (T) (S07_05) | 499 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--------------------------------------|---------------------------------|--|--|
| 323 (S07_06) | S032392 | DIAGRAM OF A PERSON DOING WORK (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S032392\$'1#2#3#4#9#8#6' Flags: SCR: 323 / CAR:F / CAT:M3 COMMENT: PHYSICS\APPLYING (T) (S07_06) | 500 /C 1.0 / DEF: 7 |
| 324 (S07_07) | S032425 | CONSERVED IN THERMAL EXPANSION (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S032425\$'1#2#3#4#9#8#6' Flags: SCR: 324 / CAR:F / CAT:M1 COMMENT: PHYSICS\KNOWING (T) (S07_07) | 501 /C 1.0 / DEF: 7 |
| 325 (S07_08) | S032257 | SOUND OF PLUCKED GUITAR STRING (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S032257\$'1#2#3#4#9#8#6' Flags: SCR: 325 / CAR:F / CAT:M2 COMMENT: PHYSICS\KNOWING (T) (S07_08) | 502 /C 1.0 / DEF: 7 |
| 326 (S07_09) | S032663 | CAUSED BY TILT OF EARTHS AXIS (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S032663\$'1#2#3#4#9#8#6' Flags: SCR: 326 / CAR:F / CAT:M1 COMMENT: EARTH SCIENCE\APPLYING (T) (S07_09) | 503 /C 1.0 / DEF: 7 |
| 327 (S07_10) | S032660 | LOCATION OF FRESH WATER ON EARTH (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S032660\$'1#2#3#4#9#8#6' Flags: SCR: 327 / CAR:F / CAT:M4 COMMENT: EARTH SCIENCE\KNOWING (T) (S07_10) | 504 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------|
| 328 (S07_11) | S032555 | TABLE OF FERTILIZER/RICE YIELD DATA (1) | 10 11 12 19 70 71 79 99 98 96 | CORRECT RESP CORRECT RESP CORRECT RESP CORRECT RESP INCORRECT RESP INCORRECT RESP INCORRECT RESP omitted not admin. not reached VLD: S032555\$'10#11#12#19#70#71#79#99#98#96' Flags: SCR: 328 / CAR:F / CAT:SA / DEF: 97 COMMENT: EARTH SCIENCE\REASONING (T) (S07_11) | 505- 506/C 2.0 |
| 329 (S07_12) | S032122 | REASON FOR INCREASE IN POPULATION (1) | 10 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032122\$'10#19#70#71#79#99#98#96' Flags: SCR: 329 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\KNOWING (T) (S07_12) | 507- 508/C 2.0 |
| 330 (S08_01) | S042053 | VACCINATING PEOPLE AGAINST INFLUENZA (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042053\$'1#2#3#4#9#8#6' Flags: SCR: 330 / CAR:F / CAT:M3 / DEF: 7 COMMENT: BIOLOGY\APPLYING (S08_01) | 509 /C 1.0 |
| 331 (S08_02) | S042408 | EAGLES CANNOT SURVIVE WITHOUT PLANTS (1) | 10 11 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042408\$'10#11#70#79#99#98#96' Flags: SCR: 331 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\APPLYING (S08_02) | 510- 511/C 2.0 |
| 332 (S08_03) | S042015 | FUNCTION OF THE CELL MEMBRANE (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042015\$'1#2#3#4#9#8#6' Flags: SCR: 332 / CAR:F / CAT:M4 / DEF: 7 COMMENT: BIOLOGY\KNOWING (S08_03) | 512 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---|----------------------------------|---|-----------------|
| 333 (S08_04) | S042309 | GIRAFFES WITH SHORT AND LONG NECKS (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042309\$'1#2#3#4#9#8#6' Flags: SCR: 333 / CAR:F / CAT:M4 COMMENT: BIOLOGY\APPLYING (S08_04) | 513 /C 1.0 |
| 334 (S08_05A) | S042049A | POPULATION OF RABBITS AND LYNXES (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042049A\$'10#79#99#98#96' Flags: SCR: 334 / CAR:F / CAT:SA COMMENT: BIOLOGY\APPLYING (S08_05) | 514- 515/C 2.0 |
| 335 (S08_05B) | S042049B | NUMBER OF LYNXES IN 1996 VS 2004 (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042049B\$'10#79#99#98#96' Flags: SCR: 335 / CAR:F / CAT:SA COMMENT: BIOLOGY\REASONING (S08_05) | 516- 517/C 2.0 |
| 336 (S08_06) | S042182 | TYPE OF ENERGY IN COMPRESSED SPRING (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042182\$'1#2#3#4#9#8#6' Flags: SCR: 336 / CAR:F / CAT:M3 COMMENT: PHYSICS\KNOWING (S08_06) | 518 /C 1.0 |
| 337 (S08_07) | S042402 | HEAT FLOW IN METAL CUBES (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042402\$'10#70#79#99#98#96' Flags: SCR: 337 / CAR:F / CAT:SA COMMENT: PHYSICS\APPLYING (S08_07) | 519- 520/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|----------------------------------|---|-----------------------------|
| 338 (S08_08A) | S042228A | VOLUME OF THE NECK CHAIN (1) | 10 11 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042228A\$'10#11#79#99#98#96' Flags: SCR: 338 / CAR:F / CAT:SA COMMENT: CHEMISTRY\REASONING (S08_08) | 521- 522/C 2.0 / DEF: 97 |
| 339 (S08_08B) | S042228B | COMPLETE TABLE 3 WITH PERCENT GOLD (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042228B\$'10#79#99#98#96' Flags: SCR: 339 / CAR:F / CAT:SA COMMENT: CHEMISTRY\REASONING (S08_08) | 523- 524/C 2.0 / DEF: 97 |
| 340 (S08_08C) | S042228C | NECK CHAIN WITH MOST GOLD (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042228C\$'10#79#99#98#96' Flags: SCR: 340 / CAR:F / CAT:SA COMMENT: CHEMISTRY\APPLYING (S08_08) | 525- 526/C 2.0 / DEF: 97 |
| 341 (S08_09) | S042126 | GAS INCREASING IN ATMOSPHERE (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S042126\$'1#2#3#4#9#8#6' Flags: SCR: 341 / CAR:F / CAT:M1 COMMENT: EARTH SCIENCE\KNOWING (S08_09) | 527 /C 1.0 / DEF: 7 |
| 342 (S08_10) | S042210 | MASS/VOLUME OF FROZEN WATER (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042210\$'1#2#3#4#9#8#6' Flags: SCR: 342 / CAR:F / CAT:M3 COMMENT: PHYSICS\KNOWING (S08_10) | 528 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---|--|---|-----------------|
| 343 (S08_11) | S042176 | FLASKS CONTAIN FRESH AND SALT WATER (1) | 10 11 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042176\$'10#11#70#71#79#99#98#96' Flags: SCR: 343 / CAR:F / CAT:SA / DEF: 97 COMMENT: PHYSICS\REASONING (S08_11) | 529- 530/C 2.0 |
| 344 (S08_12) | S042211 | FORCES ON STUDENTS SITTING ON WALL (1) | 10 11 12 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042211\$'10#11#12#19#70#71#79#99#98#96' Flags: SCR: 344 / CAR:F / CAT:SA / DEF: 97 COMMENT: PHYSICS\APPLYING (S08_12) | 531- 532/C 2.0 |
| 345 (S08_13) | S042135 | WATER CYCLE PROCESSES (1) | 10 70 71 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042135\$'10#70#71#79#99#98#96' Flags: SCR: 345 / CAR:F / CAT:SA / DEF: 97 COMMENT: EARTH SCIENCE\KNOWING (S08_13) | 533- 534/C 2.0 |
| 346 (S08_14) | S042257 | WHAT CAUSES THE PHASES OF THE MOON (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042257\$'1#2#3#4#9#8#6' Flags: SCR: 346 / CAR:F / CAT:M2 / DEF: 7 COMMENT: EARTH SCIENCE\KNOWING (S08_14) | 535 /C 1.0 |
| 347 (S09_01) | S032542 | CLASSIFICATION OF ANIMALS (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S032542\$'1#2#3#4#9#8#6' Flags: SCR: 347 / CAR:F / CAT:M2 / DEF: 7 COMMENT: BIOLOGY\APPLYING (T) (S09_01) | 536 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|------------------------------------|--|---|-----------------|
| 348 (S09_02) | S032645 | TRUE STATEMENT ABOUT PRODUCERS (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S032645\$'1#2#3#4#9#8#6' Flags: SCR: 348 / CAR:F / CAT:M1 / DEF: 7 COMMENT: BIOLOGY\KNOWING (T) (S09_02) | 537 /C 1.0 |
| 349 (S09_03A) | S032530A | CONDITIONS FOR GERMINATION (1) | 10 11 12 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032530A\$'10#11#12#19#70#71#79#99#98#96' Flags: SCR: 349 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\KNOWING (T) (S09_03) | 538- 539/C 2.0 |
| 350 (S09_03B) | S032530B | CONDITIONS FOR GERMINATION (1) | 10 11 12 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032530B\$'10#11#12#19#70#71#79#99#98#96' Flags: SCR: 350 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\KNOWING (T) (S09_03) | 540- 541/C 2.0 |
| 351 (S09_03D) | S032530D | CONDITIONS FOR GERMINATION (2) | 20 10 70 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032530D\$'20#10#70#79#99#98#96' Flags: SCR: 351 / CAR:F / CAT:DPC_D / DEF: 97 COMMENT: BIOLOGY\KNOWING (T) (S09_03) | 542- 543/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|---|-----------------|
| 352 (S09_04) | S032007 | ONE FUNCTION OF THE UTERUS (1) | 10 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032007\$'10#19#70#71#79#99#98#96' Flags: SCR: 352 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\KNOWING (T) (S09_04) | 544- 545/C 2.0 |
| 353 (S09_05) | S032502 | DIAGRAM REPRESENTING WATER MOLECULES (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S032502\$'1#2#3#4#9#8#6' Flags: SCR: 353 / CAR:F / CAT:M3 / DEF: 7 COMMENT: CHEMISTRY\APPLYING (T) (S09_05) | 546 /C 1.0 |
| 354 (S09_06) | S032679 | ENERGY RELEASED DURING A REACTION (1) | 10 11 12 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032679\$'10#11#12#19#70#71#79#99#98#96' Flags: SCR: 354 / CAR:F / CAT:SA / DEF: 97 COMMENT: CHEMISTRY\APPLYING (T) (S09_06) | 547- 548/C 2.0 |
| 355 (S09_07) | S032184 | BULBS IN SERIES/PARALLEL CIRCUIT (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S032184\$'1#2#3#4#9#8#6' Flags: SCR: 355 / CAR:F / CAT:M4 / DEF: 7 COMMENT: PHYSICS\APPLYING (T) (S09_07) | 549 /C 1.0 |
| 356 (S09_08) | S032394 | HEAT CONDUCTION THROUGH COPPER ROD (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S032394\$'1#2#3#4#9#8#6' Flags: SCR: 356 / CAR:F / CAT:M3 / DEF: 7 COMMENT: PHYSICS\APPLYING (T) (S09_08) | 550 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---------------------------------------|--|---|-----------------|
| 357 (S09_09) | S032151 | MAJOR CAUSE OF TIDES (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S032151\$'1#2#3#4#9#8#6' Flags: SCR: 357 / CAR:F / CAT:M2 COMMENT: EARTH SCIENCE\KNOWING (T) (S09_09) | 551 /C 1.0 |
| 358 (S09_10A) | S032651A | TOPOGRAPHIC MAP/ IDENTIFY X (1) | 10 70 71 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032651A\$'10#70#71#79#99#98#96' Flags: SCR: 358 / CAR:F / CAT:SA COMMENT: EARTH SCIENCE\APPLYING (T) (S09_10) | 552- 553/C 2.0 |
| 359 (S09_10B) | S032651B | TOPOGRAPHIC MAP/ RIVER PATH (1) | 10 11 12 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032651B\$'10#11#12#19#70#71#79#99#98#96' Flags: SCR: 359 / CAR:F / CAT:SA COMMENT: EARTH SCIENCE\REASONING (T) (S09_10) | 554- 555/C 2.0 |
| 360 (S09_11A) | S032665A | POPULATION IN 2 COUNTRIES/PREDICT (1) | 10 70 71 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032665A\$'10#70#71#79#99#98#96' Flags: SCR: 360 / CAR:F / CAT:SA COMMENT: BIOLOGY\REASONING (T) (S09_11) | 556- 557/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---|--|--|-----------------|
| 361 (S09_11B) | S032665B | POPULATION IN 2 COUNTRIES/LAND USE (1) | 10 11 12 19 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032665B\$'10#11#12#19#70#79#99#98#96' Flags: SCR: 361 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\REASONING (T) (S09_11) | 558- 559/C 2.0 |
| 362 (S09_11C) | S032665C | POPULATION IN 2 COUNTRIES/POLLUTION (1) | 10 11 12 19 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032665C\$'10#11#12#19#70#79#99#98#96' Flags: SCR: 362 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\REASONING (T) (S09_11) | 560- 561/C 2.0 |
| 363 (S10_01) | S042073 | FORMULA FOR CARBON DIOXIDE (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042073\$'1#2#3#4#9#8#6' Flags: SCR: 363 / CAR:F / CAT:M2 / DEF: 7 COMMENT: CHEMISTRY\KNOWING (S10_01) | 562 /C 1.0 |
| 364 (S10_02) | S042017 | FUNCTION OF CELL PART X (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042017\$'1#2#3#4#9#8#6' Flags: SCR: 364 / CAR:F / CAT:M4 / DEF: 7 COMMENT: BIOLOGY\APPLYING (S10_02) | 563 /C 1.0 |
| 365 (S10_03) | S042007 | LUNGS IN BIRD/WHICH ORGAN IN FROG (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042007\$'1#2#3#4#9#8#6' Flags: SCR: 365 / CAR:F / CAT:M2 / DEF: 7 COMMENT: BIOLOGY\APPLYING (S10_03) | 564 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|----------------------------------|--|---|
| 366 (S10_04) | S042024 | PROCESS OF RESPIRATION (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042024\$'1#2#3#4#9#8#6' Flags: SCR: 366 / CAR:F / CAT:M2 COMMENT: BIOLOGY\KNOWING (S10_04) | 565 /C 1.0 / DEF: 7 |
| 367 (S10_05) | S042095 | AMMONIA SOLUTION MIXED WITH VINEGAR (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042095\$'1#2#3#4#9#8#6' Flags: SCR: 367 / CAR:F / CAT:M4 COMMENT: CHEMISTRY\KNOWING (S10_05) | 566 /C 1.0 / DEF: 7 |
| 368 (S10_06) | S042022 | CO2 CONCENTRATION AND PHOTOSYNTHESIS (1) | 10 11 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042022\$'10#11#79#99#98#96' Flags: SCR: 368 / CAR:F / CAT:SA COMMENT: BIOLOGY\REASONING (S10_06) | 567- 568/C 2.0 / DEF: 97 |
| 369 (S10_07) | S042063 | WHICH ROD CAUSES THE BULB TO LIGHT (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S042063\$'1#2#3#4#9#8#6' Flags: SCR: 369 / CAR:F / CAT:M1 COMMENT: CHEMISTRY\APPLYING (S10_07) | 569 /C 1.0 / DEF: 7 |
| 370 (S10_08) | S042197 | STRENGTH OF A MAGNET (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042197\$'1#2#3#4#9#8#6' Flags: SCR: 370 / CAR:F / CAT:M3 COMMENT: PHYSICS\REASONING (S10_08) | 570 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|---|-----------------|
| 371 (S10_09) | S042297 | INVESTIGATION OF GREEN/RED PEPPERS (2) | 20 29 10 19 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042297\$'20#29#10#19#79#99#98#96' Flags: SCR: 371 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\REASONING (S10_09) | 571- 572/C 2.0 |
| 372 (S10_10) | S042305 | CLASSIFY ELEMENTS/COMPOUNDS/MIXTURES (2) | 20 10 70 71 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042305\$'20#10#70#71#79#99#98#96' Flags: SCR: 372 / CAR:F / CAT:SA / DEF: 97 COMMENT: CHEMISTRY\APPLYING (S10_10) | 573- 574/C 2.0 |
| 373 (S10_11) | S042112 | PROCESS IN WHICH ENERGY IS ABSORBED (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042112\$'1#2#3#4#9#8#6' Flags: SCR: 373 / CAR:F / CAT:M4 / DEF: 7 COMMENT: CHEMISTRY\KNOWING (S10_11) | 575 /C 1.0 |
| 374 (S10_12A) | S042173A | CHANGE-STAY THE SAME/DENSITY (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042173A\$'10#79#99#98#96' Flags: SCR: 374 / CAR:F / CAT:SA / DEF: 97 COMMENT: PHYSICS\APPLYING (S10_12) | 576- 577/C 2.0 |
| 375 (S10_12B) | S042173B | CHANGE-STAY THE SAME/MASS (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042173B\$'10#79#99#98#96' Flags: SCR: 375 / CAR:F / CAT:SA / DEF: 97 COMMENT: PHYSICS\APPLYING (S10_12) | 578- 579/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---|--|---|-----------------------------|
| 376 (S10_12C) | S042173C | CHANGE-STAY THE SAME/VOLUME (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042173C\$'10#79#99#98#96' Flags: SCR: 376 / CAR:F / CAT:SA COMMENT: PHYSICS\APPLYING (S10_12) | 580- 581/C 2.0 / DEF: 97 |
| 377 (S10_12D) | S042173D | CHANGE-STAY THE SAME/MOLECULE SIZE (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042173D\$'10#79#99#98#96' Flags: SCR: 377 / CAR:F / CAT:SA COMMENT: PHYSICS\APPLYING (S10_12) | 582- 583/C 2.0 / DEF: 97 |
| 378 (S10_12E) | S042173E | CHANGE-STAY THE SAME/MOLECULE SPEED (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042173E\$'10#79#99#98#96' Flags: SCR: 378 / CAR:F / CAT:SA COMMENT: PHYSICS\APPLYING (S10_12) | 584- 585/C 2.0 / DEF: 97 |
| 379 (S10_12) | S042173 | CHANGE-STAY THE SAME/MOLECULE SPEED (1) | 20 10 70 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042173\$'20#10#70#79#99#98#96' Flags: SCR: 379 / CAR:F / CAT:DPC_D COMMENT: PHYSICS\APPLYING (S10_12) | 586- 587/C 2.0 / DEF: 97 |
| 380 (S10_13) | S042407 | WHICH ICE BLOCK WILL MELT FIRST (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042407\$'10#70#79#99#98#96' Flags: SCR: 380 / CAR:F / CAT:SA COMMENT: PHYSICS\APPLYING (S10_13) | 588- 589/C 2.0 / DEF: 97 |
| 381 (S10_14) | S042278 | PATH OF LIGHT RAY THROUGH PERISCOPE (1) | 10 70 71 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042278\$'10#70#71#79#99#98#96' Flags: SCR: 381 / CAR:F / CAT:SA COMMENT: PHYSICS\APPLYING (S10_14) | 590- 591/C 2.0 / DEF: 97 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|----------------------------------|--|---|
| 382 (S10_15) | S042274 | SPEED OF LIGHT THROUGH SUBSTANCES (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042274\$'1#2#3#4#9#8#6' Flags: SCR: 382 / CAR:F / CAT:M4 COMMENT: PHYSICS\KNOWING (S10_15) | 592 /C 1.0 / DEF: 7 |
| 383 (S10_16) | S042311 | MOON SEEN DIFFERENTLY (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042311\$'1#2#3#4#9#8#6' Flags: SCR: 383 / CAR:F / CAT:M2 COMMENT: EARTH SCIENCE\APPLYING (S10_16) | 593 /C 1.0 / DEF: 7 |
| 384 (S10_17) | S042317 | EVAPORATED WATER ENDING UP AS RAIN (2) | 20 10 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042317\$'20#10#79#99#98#96' Flags: SCR: 384 / CAR:F / CAT:SA COMMENT: EARTH SCIENCE\KNOWING (S10_17) | 594- 595/C 2.0 / DEF: 97 |
| 385 (S11_01) | S032465 | CELLS THAT DESTROY BACTERIA (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S032465\$'1#2#3#4#9#8#6' Flags: SCR: 385 / CAR:F / CAT:M1 COMMENT: BIOLOGY\KNOWING (T) (S11_01) | 596 /C 1.0 / DEF: 7 |
| 386 (S11_02) | S032315 | ANTELOPE POPULATION GRAPH (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S032315\$'1#2#3#4#9#8#6' Flags: SCR: 386 / CAR:F / CAT:M4 COMMENT: BIOLOGY\REASONING (T) (S11_02) | 597 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--------------------------------------|--|--|-----------------|
| 387 (S11_03) | S032306 | EYES REACT TO CHANGES (2) | 20 29 10 19 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032306\$'20#29#10#19#70#79#99#98#96' Flags: SCR: 387 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\APPLYING (T) (S11_03) | 598- 599/C 2.0 |
| 388 (S11_04) | S032640 | EXERCISE IS IMPORTANT FOR HEALTH (1) | 10 11 12 19 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032640\$'10#11#12#19#70#79#99#98#96' Flags: SCR: 388 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\KNOWING (T) (S11_04) | 600- 601/C 2.0 |
| 389 (S11_05) | S032579 | DIAGRAM FOR STRUCTURE OF MATTER (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S032579\$'1#2#3#4#9#8#6' Flags: SCR: 389 / CAR:F / CAT:M2 / DEF: 7 COMMENT: CHEMISTRY\APPLYING (T) (S11_05) | 602 /C 1.0 |
| 390 (S11_06) | S032570 | IDENTIFY IF SUBSTANCE IS METAL (1) | 10 11 12 19 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032570\$'10#11#12#19#70#79#99#98#96' Flags: SCR: 390 / CAR:F / CAT:SA / DEF: 97 COMMENT: CHEMISTRY\APPLYING (T) (S11_06) | 603- 604/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|---|-----------------|
| 391 (S11_07) | S032024 | ENERGY CONVERSION IN A FLASHLIGHT (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S032024\$'1#2#3#4#9#8#6' Flags: SCR: 391 / CAR:F / CAT:M3 COMMENT: PHYSICS\KNOWING (T) (S11_07) | 605 /C 1.0 |
| 392 (S11_08) | S032272 | WATER LEVEL IN HEATED CONTAINER (1) | 10 19 70 71 72 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032272\$'10#19#70#71#72#79#99#98#96' Flags: SCR: 392 / CAR:F / CAT:SA COMMENT: PHYSICS\REASONING (T) (S11_08) | 606- 607/C 2.0 |
| 393 (S11_09) | S032141 | GRAVITY ACTING ON PARACHUTE JUMPER (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S032141\$'1#2#3#4#9#8#6' Flags: SCR: 393 / CAR:F / CAT:M4 COMMENT: PHYSICS\APPLYING (T) (S11_09) | 608 /C 1.0 |
| 394 (S11_10) | S032060 | ORDER OF STEPS IN THE WATER CYCLE (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032060\$'10#79#99#98#96' Flags: SCR: 394 / CAR:F / CAT:SA COMMENT: EARTH SCIENCE\APPLYING (T) (S11_10) | 609- 610/C 2.0 |
| 395 (S11_11) | S032463 | SOIL CHANGE DUE TO NATURAL CAUSES (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S032463\$'1#2#3#4#9#8#6' Flags: SCR: 395 / CAR:F / CAT:M4 COMMENT: EARTH SCIENCE\KNOWING (T) (S11_11) | 611 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--------------------------------|--|--|-----------------|
| 396 (S11_12A) | S032650A | CHANGES AT HIGH ELEVATIONS (1) | 10 11 12 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032650A\$'10#11#12#19#70#71#79#99#98#96' Flags: SCR: 396 / CAR:F / CAT:SA / DEF: 97 COMMENT: EARTH SCIENCE\APPLYING (T) (S11_12) | 612- 613/C 2.0 |
| 397 (S11_12B) | S032650B | CHANGES AT HIGH ELEVATIONS (1) | 10 11 12 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032650B\$'10#11#12#19#70#71#79#99#98#96' Flags: SCR: 397 / CAR:F / CAT:SA / DEF: 97 COMMENT: EARTH SCIENCE\APPLYING (T) (S11_12) | 614- 615/C 2.0 |
| 398 (S11_12D) | S032650D | CHANGES AT HIGH ELEVATIONS (2) | 20 10 70 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032650D\$'20#10#70#79#99#98#96' Flags: SCR: 398 / CAR:F / CAT:DPC_D / DEF: 97 COMMENT: EARTH SCIENCE\APPLYING (T) (S11_12) | 616- 617/C 2.0 |
| 399 (S11_13) | S032514 | GROWTH OF ALGAE IN A LAKE (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S032514\$'1#2#3#4#9#8#6' Flags: SCR: 399 / CAR:F / CAT:M3 / DEF: 7 COMMENT: BIOLOGY\KNOWING (T) (S11_13) | 618 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---------------------------------------|--|---|-----------------|
| 400 (S12_01) | S042042 | WHICH ORGANISM IS A PRODUCER (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S042042\$'1#2#3#4#9#8#6' Flags: SCR: 400 / CAR:F / CAT:M1 / DEF: 7 COMMENT: BIOLOGY\KNOWING (S12_01) | 619 /C 1.0 |
| 401 (S12_02) | S042030 | WHAT KIND OF REPRODUCTION (1) | 10 11 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042030\$'10#11#70#71#79#99#98#96' Flags: SCR: 401 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\APPLYING (S12_02) | 620- 621/C 2.0 |
| 402 (S12_03) | S042003 | O2-CO2 EXCHANGE IN AN ANIMAL SKIN (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042003\$'1#2#3#4#9#8#6' Flags: SCR: 402 / CAR:F / CAT:M2 / DEF: 7 COMMENT: BIOLOGY\KNOWING (S12_03) | 622 /C 1.0 |
| 403 (S12_04) | S042110 | WHICH NAILS RUSTED MOST (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042110\$'1#2#3#4#9#8#6' Flags: SCR: 403 / CAR:F / CAT:M4 / DEF: 7 COMMENT: CHEMISTRY\APPLYING (S12_04) | 623 /C 1.0 |
| 404 (S12_05A) | S042222A | LIFE CYCLE STAGE MONARCH GROWS (1) | 10 19 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042222A\$'10#19#70#79#99#98#96' Flags: SCR: 404 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\APPLYING (S12_05) | 624- 625/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|---|-----------------|
| 405 (S12_05B) | S042222B | LIFE CYCLE STAGE MONARCH DEVELOPS (1) | 10 11 19 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042222B\$'10#11#19#79#99#98#96' Flags: SCR: 405 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\APPLYING (S12_05) | 626- 627/C 2.0 |
| 406 (S12_05C) | S042222C | ADVANTAGE FOR VICEROY BUTTERFLY (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042222C\$'1#2#3#4#9#8#6' Flags: SCR: 406 / CAR:F / CAT:M2 / DEF: 7 COMMENT: BIOLOGY\APPLYING (S12_05) | 628 /C 1.0 |
| 407 (S12_06) | S042065 | GOOD CONDUCTOR OF HEAT-ELECTRICITY (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042065\$'1#2#3#4#9#8#6' Flags: SCR: 407 / CAR:F / CAT:M3 / DEF: 7 COMMENT: CHEMISTRY\KNOWING (S12_06) | 629 /C 1.0 |
| 408 (S12_07) | S042280 | RELATIVE SPEED OF SOUND (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042280\$'1#2#3#4#9#8#6' Flags: SCR: 408 / CAR:F / CAT:M4 / DEF: 7 COMMENT: PHYSICS\REASONING (S12_07) | 630 /C 1.0 |
| 409 (S12_08) | S042088 | WHICH SOLUTION IS MORE DILUTE (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042088\$'10#70#79#99#98#96' Flags: SCR: 409 / CAR:F / CAT:SA / DEF: 97 COMMENT: CHEMISTRY\APPLYING (S12_08) | 631- 632/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------|
| 410 (S12_09) | S042218 | WHY DOES A BALLOON WITH HELIUM RISE (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042218\$'1#2#3#4#9#8#6' Flags: SCR: 410 / CAR:F / CAT:M2 / DEF: 7 COMMENT: PHYSICS\APPLYING (S12_09) | 633 /C 1.0 |
| 411 (S12_10) | S042104 | BALANCE AFTER HCL-NAOH ARE MIXED (1) | 10 11 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042104\$'10#11#70#71#79#99#98#96' Flags: SCR: 411 / CAR:F / CAT:SA / DEF: 97 COMMENT: CHEMISTRY\REASONING (S12_10) | 634- 635/C 2.0 |
| 412 (S12_11) | S042064 | WHY OIL FLOATS ON TOP OF WATER (1) | 10 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042064\$'10#19#70#71#79#99#98#96' Flags: SCR: 412 / CAR:F / CAT:SA / DEF: 97 COMMENT: CHEMISTRY\APPLYING (S12_11) | 636- 637/C 2.0 |
| 413 (S12_12) | S042273 | SEEING LIGHTNING AND HEARING THUNDER (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042273\$'10#70#79#99#98#96' Flags: SCR: 413 / CAR:F / CAT:SA / DEF: 97 COMMENT: PHYSICS\APPLYING (S12_12) | 638- 639/C 2.0 |
| 414 (S12_13) | S042301 | WHAT CAUSES AN EARTHQUAKE (1) | 10 11 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042301\$'10#11#79#99#98#96' Flags: SCR: 414 / CAR:F / CAT:SA / DEF: 97 COMMENT: EARTH SCIENCE\KNOWING (S12_13) | 640- 641/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|---|-----------------|
| 415 (S12_14) | S042312 | WHAT ROTATION OF EARTH CAUSES (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042312\$'1#2#3#4#9#8#6' Flags: SCR: 415 / CAR:F / CAT:M3 COMMENT: EARTH SCIENCE\KNOWING (S12_14) | 642 /C 1.0 |
| 416 (S12_15) | S042217 | SHADOW OF A TREE ON A SUNNY DAY (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042217\$'1#2#3#4#9#8#6' Flags: SCR: 416 / CAR:F / CAT:M2 COMMENT: PHYSICS\KNOWING (S12_15) | 643 /C 1.0 |
| 417 (S12_16) | S042406 | DIRECTION RIVER FLOWS (1) | 10 70 71 72 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042406\$'10#70#71#72#79#99#98#96' Flags: SCR: 417 / CAR:F / CAT:SA COMMENT: EARTH SCIENCE\APPLYING (S12_16) | 644- 645/C 2.0 |
| 418 (S13_01) | S032611 | PURPOSE OF CELLULAR RESPIRATION (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S032611\$'1#2#3#4#9#8#6' Flags: SCR: 418 / CAR:F / CAT:M1 COMMENT: BIOLOGY\KNOWING (T) (S13_01) | 646 /C 1.0 |
| 419 (S13_02) | S032614 | NUMBER OF KIDNEYS SON HAS AT BIRTH (1) | 10 11 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032614\$'10#11#19#70#71#79#99#98#96' Flags: SCR: 419 / CAR:F / CAT:SA COMMENT: BIOLOGY\KNOWING (T) (S13_02) | 647- 648/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|---|-----------------|
| 420 (S13_03) | S032451 | DIFFERENCE IN SHELL COLORS OF SNAILS (2) | 20 21 29 10 19 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032451\$'20#21#29#10#19#70#79#99#98#96' Flags: SCR: 420 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\APPLYING (T) (S13_03) | 649- 650/C 2.0 |
| 421 (S13_04) | S032156 | SOLUBILITY/TEMPERATURE GRAPHS (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S032156\$'1#2#3#4#9#8#6' Flags: SCR: 421 / CAR:F / CAT:M3 / DEF: 7 COMMENT: CHEMISTRY\REASONING (T) (S13_04) | 651 /C 1.0 |
| 422 (S13_05) | S032056 | SODIUM BICARBONATE MIXED IN VINEGAR (1) | 10 11 12 19 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032056\$'10#11#12#19#70#71#79#99#98#96' Flags: SCR: 422 / CAR:F / CAT:SA / DEF: 97 COMMENT: CHEMISTRY\APPLYING (T) (S13_05) | 652- 653/C 2.0 |
| 423 (S13_06) | S032087 | LONG-TERM IMMUNITY AGAINST DISEASE (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S032087\$'1#2#3#4#9#8#6' Flags: SCR: 423 / CAR:F / CAT:M3 / DEF: 7 COMMENT: BIOLOGY\KNOWING (T) (S13_06) | 654 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------------------|
| 424 (S13_07) | S032279 | WHY BOTTLE COLLAPSES IN THE VALLEY (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S032279\$'1#2#3#4#9#8#6' Flags: SCR: 424 / CAR:F / CAT:M4 COMMENT: PHYSICS\APPLYING (T) (S13_07) | 655 /C 1.0 / DEF: 7 |
| 425 (S13_08) | S032238 | GAPS BETWEEN METAL RAIL SPANS (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S032238\$'1#2#3#4#9#8#6' Flags: SCR: 425 / CAR:F / CAT:M1 COMMENT: PHYSICS\APPLYING (T) (S13_08) | 656 /C 1.0 / DEF: 7 |
| 426 (S13_09) | S032369 | SOUND FROM ELECTRIC BELL INSIDE JAR (2) | 20 29 10 11 19 70 71 79 99 98 96 | CORRECT RESP CORRECT RESP PARTIAL RESPONSE PARTIAL RESPONSE PARTIAL RESPONSE INCORRECT RESP INCORRECT RESP INCORRECT RESP omitted not admin. not reached VLD: S032369\$'20#29#10#11#19#70#71#79#99#98#96' Flags: SCR: 426 / CAR:F / CAT:SA COMMENT: PHYSICS\APPLYING (T) (S13_09) | 657- 658/C 2.0 / DEF: 97 |
| 427 (S13_10) | S032160 | DIFFERENCE BETWEEN PLANETS AND MOONS (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S032160\$'1#2#3#4#9#8#6' Flags: SCR: 427 / CAR:F / CAT:M3 COMMENT: EARTH SCIENCE\KNOWING (T) (S13_10) | 659 /C 1.0 / DEF: 7 |
| 428 (S13_11) | S032654 | LOCATION OF JUNGLE (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S032654\$'1#2#3#4#9#8#6' Flags: SCR: 428 / CAR:F / CAT:M1 COMMENT: EARTH SCIENCE\REASONING (T) (S13_11) | 660 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|--|-----------------|
| 429 (S13_12) | S032126 | VOLCANIC ERUPTION EFFECTS (1) | 10 11 19 70 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S032126\$'10#11#19#70#79#99#98#96' Flags: SCR: 429 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\KNOWING (T) (S13_12) | 661- 662/C 2.0 |
| 430 (S13_13) | S032510 | MATERIAL THAT BREAKS DOWN QUICKLY (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S032510\$'1#2#3#4#9#8#6' Flags: SCR: 430 / CAR:F / CAT:M4 / DEF: 7 COMMENT: EARTH SCIENCE\KNOWING (T) (S13_13) | 663 /C 1.0 |
| 431 (S13_14) | S032158 | MOLECULES OF GAS WHEN HEATED (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S032158\$'1#2#3#4#9#8#6' Flags: SCR: 431 / CAR:F / CAT:M2 / DEF: 7 COMMENT: PHYSICS\KNOWING (T) (S13_14) | 664 /C 1.0 |
| 432 (S14_01) | S042258 | FUNCTION LUNGS-SKIN-KIDNEYS SHARE (C) | 1 2 3 4 9 8 6 | A B C* D omitted not admin. not reached VLD: S042258\$'1#2#3#4#9#8#6' Flags: SCR: 432 / CAR:F / CAT:M3 / DEF: 7 COMMENT: BIOLOGY\APPLYING (S14_01) | 665 /C 1.0 |
| 433 (S14_02) | S042005 | CHARACTERISTIC TO CLASSIFY ORGANISMS (2) | 20 10 79 99 98 96 | CORRECT RESPONSE PARTIAL RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042005\$'20#10#79#99#98#96' Flags: SCR: 433 / CAR:F / CAT:SA / DEF: 97 COMMENT: BIOLOGY\APPLYING (S14_02) | 666- 667/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|---|-----------------|
| 434 (S14_03) | S042016 | ORGANELLE THAT PRODUCES ENERGY (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S042016\$'1#2#3#4#9#8#6' Flags: SCR: 434 / CAR:F / CAT:M1 COMMENT: BIOLOGY\KNOWING (S14_03) | 668 /C 1.0 |
| 435 (S14_04A) | S042300A | O2-CO2 RELEASE-REMOVAL/ANIMALS (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042300A\$'10#79#99#98#96' Flags: SCR: 435 / CAR:F / CAT:SA COMMENT: BIOLOGY\APPLYING (S14_04) | 669- 670/C 2.0 |
| 436 (S14_04B) | S042300B | O2-CO2 RELEASE-REMOVAL/PLANTS (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042300B\$'10#79#99#98#96' Flags: SCR: 436 / CAR:F / CAT:SA COMMENT: BIOLOGY\APPLYING (S14_04) | 671- 672/C 2.0 |
| 437 (S14_04C) | S042300C | O2-CO2RELEASE-REMOVAL/PHOTOSYNTHESIS (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042300C\$'10#79#99#98#96' Flags: SCR: 437 / CAR:F / CAT:SA COMMENT: BIOLOGY\APPLYING (S14_04) | 673- 674/C 2.0 |
| 438 (S14_05) | S042319 | DESIGNING PLANT GROWTH EXPERIMENT (1) | 10 11 12 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042319\$'10#11#12#79#99#98#96' Flags: SCR: 438 / CAR:F / CAT:SA COMMENT: BIOLOGY\REASONING (S14_05) | 675- 676/C 2.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|------------------------------------|--|--|---|
| 439 (S14_06) | S042068 | WHICH ONE IS A MIXTURE (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S042068\$'1#2#3#4#9#8#6' Flags: SCR: 439 / CAR:F / CAT:M1 COMMENT: CHEMISTRY\KNOWING (S14_06) | 677 /C 1.0 / DEF: 7 |
| 440 (S14_07) | S042216 | STUDENT READING A BOOK (D) | 1 2 3 4 9 8 6 | A B C D* omitted not admin. not reached VLD: S042216\$'1#2#3#4#9#8#6' Flags: SCR: 440 / CAR:F / CAT:M4 COMMENT: PHYSICS\APPLYING (S14_07) | 678 /C 1.0 / DEF: 7 |
| 441 (S14_08) | S042249 | EXAMPLE OF A LEVER (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042249\$'1#2#3#4#9#8#6' Flags: SCR: 441 / CAR:F / CAT:M2 COMMENT: PHYSICS\KNOWING (S14_08) | 679 /C 1.0 / DEF: 7 |
| 442 (S14_09) | S042094 | WHY PLASTIC BOTTLE CRACKED (1) | 10 70 71 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042094\$'10#70#71#79#99#98#96' Flags: SCR: 442 / CAR:F / CAT:SA COMMENT: CHEMISTRY\APPLYING (S14_09) | 680- 681/C 2.0 / DEF: 97 |
| 443 (S14_10A) | S042293A | FORCE CAUSING THE BALL TO FALL (1) | 10 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042293A\$'10#79#99#98#96' Flags: SCR: 443 / CAR:F / CAT:SA COMMENT: PHYSICS\KNOWING (S14_10) | 682- 683/C 2.0 / DEF: 97 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|--|---|-----------------------------|
| 444 (S14_10B) | S042293B | BALL BOUNCING UP AGAIN (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042293B\$'10#70#79#99#98#96' Flags: SCR: 444 / CAR:F / CAT:SA COMMENT: PHYSICS\APPLYING (S14_10) | 684- 685/C 2.0 / DEF: 97 |
| 445 (S14_11) | S042195 | WHAT IS THE RESISTANCE IN A CIRCUIT (1) | 10 70 79 99 98 96 | CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042195\$'10#70#79#99#98#96' Flags: SCR: 445 / CAR:F / CAT:SA COMMENT: PHYSICS\APPLYING (S14_11) | 686- 687/C 2.0 / DEF: 97 |
| 446 (S14_12) | S042400 | WOOD OR METAL CONTAINER TO KEEP ICE (1) | 10 11 70 71 79 99 98 96 | CORRECT RESPONSE CORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE INCORRECT RESPONSE omitted not admin. not reached VLD: S042400\$'10#11#70#71#79#99#98#96' Flags: SCR: 446 / CAR:F / CAT:SA COMMENT: CHEMISTRY\APPLYING (S14_12) | 688- 689/C 2.0 / DEF: 97 |
| 447 (S14_13) | S042401 | FLAKES ON AN IRON NAIL (A) | 1 2 3 4 9 8 6 | A* B C D omitted not admin. not reached VLD: S042401\$'1#2#3#4#9#8#6' Flags: SCR: 447 / CAR:F / CAT:M1 COMMENT: CHEMISTRY\APPLYING (S14_13) | 690 /C 1.0 / DEF: 7 |
| 448 (S14_14) | S042164 | RESULT OF GRAVITATIONAL PULL OF MOON (B) | 1 2 3 4 9 8 6 | A B* C D omitted not admin. not reached VLD: S042164\$'1#2#3#4#9#8#6' Flags: SCR: 448 / CAR:F / CAT:M2 COMMENT: EARTH SCIENCE\KNOWING (S14_14) | 691 /C 1.0 / DEF: 7 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|------------------------------------|-------------------------|--|-----------------|
| 449 SEX | ITSEX | SEX OF STUDENT | 1 2 9 8 | GIRL BOY omitted not admin. VLD: ITSEX\$'1#2#9#8' Flags: SCR: 449 / CAR:F / CAT:IT / DEF: | 692 /C 1.0 |
| COMMENT: | | | | | |
| 450 LANG | ITLANG | LANGUAGE OF TESTING | 1 2 3 9 8 | TEST LANGUAGE COUNTRY SPECIFIC COUNTRY SPECIFIC omitted not admin. VLD: ITLANG\$'1#2#3#9#8' Flags: SCR: 450 / CAR:F / CAT:IT / DEF: | 693 /C 1.0 |
| COMMENT: | | | | | |
| 451 SYSTEM | SSYSTEM | RECORD NUMBER STUDENT GENERAL FILE | VALUE 99999 99998 | SSYSTEM D omitted not admin. VLD: .T. Flags: SCR: 451 / CAR:F / CAT:D / DEF: | 694- 698/N 5.0 |
| COMMENT: | | | | | |
| 452 RELIABILIT | ILRELIAB | RELIABILITY SCORING STATUS | 0 1 9 8 | STUDENTS BOOKLET NOT USED FOR R-SCORI STUDENTS BOOKLET WAS USED FOR R-SCORING omitted not admin. VLD: ILRELIAB\$'0#1#9#8' Flags: SCR: 452 / CAR:F / CAT:IL / DEF: | 699 /C 1.0 |
| COMMENT: | | | | | |
| 453 POPULATION | IDPOP | POPULATION ID | 1 2 3 9 8 | TIMSS POP 1 TIMSS POP 2 TIMSS POP 3 omitted not admin. VLD: IDPOP\$'1#2#3#9#8' Flags: SCR: 453 / CAR:F / CAT:ID / DEF: | 700 /C 1.0 |
| COMMENT: | | | | | |
| 454 GRADE | IDGRADE | GRADE ID | 7 8 9 99 98 | GRADE 7 GRADE 8 GRADE 9 omitted not admin. VLD: IDGRADE\$'7#8#9#99#98' Flags: SCR: 454 / CAR:F / CAT:ID / DEF: | 701- 702/C 2.0 |
| COMMENT: | | | | | |
| 455 GRADE | IDGRADER | STANDARDIZED GRADE ID | 1 2 9 8 | LOWER GRADE UPPER GRADE omitted not admin. VLD: IDGRADER\$'1#2#9#8' Flags: SCR: 455 / CAR:F / CAT:D / DEF: | 703 /C 1.0 |
| COMMENT: | | | | | |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--------------------------|---------------------------|--|-----------------|
| 456 D:AGE | BSDAGE | AGE OF STUDENT | VALUE 99 98 | BSDAGE B omitted not admin. VLD: (BSDAGE>=9.AND.BSDAGE<=19).OR.BSDAGE=99.OR.BSDAGE=98 Flags: SCR: 456 / CAR:F / CAT:B / DEF: | 704- 708/N 5.2 |
| COMMENT: | | | | | |
| 457 IDSTRATE | IDSTRATE | EXPLICIT STRATUM CODE | VALUE 999 998 | IDSTRATE D omitted not admin. VLD: .T. Flags: SCR: 457 / CAR:F / CAT:D / DEF: | 709- 711/N 3.0 |
| COMMENT: | | | | | |
| 458 IDSTRATI | IDSTRATI | IMPLICIT STRATUM CODE | VALUE 999 998 | IDSTRATI D omitted not admin. VLD: .T. Flags: SCR: 458 / CAR:F / CAT:D / DEF: | 712- 714/N 3.0 |
| COMMENT: | | | | | |
| 459 WEIGHT | JKREP | JACKKNIFE REPLICATE CODE | VALUE 9 8 | JKREP D omitted not admin. VLD: .T. Flags: SCR: 459 / CAR:F / CAT:D / DEF: | 715 /N 1.0 |
| COMMENT: | | | | | |
| 460 WEIGHT | JKZONE | JACKKNIFE ZONE | VALUE 99 98 | JKZONE D omitted not admin. VLD: .T. Flags: SCR: 460 / CAR:F / CAT:D / DEF: | 716- 717/N 2.0 |
| COMMENT: | | | | | |
| 461 WEIGHT | HOUWGT | HOUSE WEIGHT | VALUE 999999 999998 | HOUWGT D omitted not admin. VLD: .T. Flags: SCR: 461 / CAR:F / CAT:D / DEF: | 718- 730/N 13.6 |
| COMMENT: | | | | | |
| 462 WEIGHT | SENWGT | SENATE WEIGHT | VALUE 999999 999998 | SENWGT D omitted not admin. VLD: .T. Flags: SCR: 462 / CAR:F / CAT:D / DEF: | 731- 743/N 13.6 |
| COMMENT: | | | | | |
| 463 WEIGHT | TOTWGT | TOTAL STUDENT WEIGHT | VALUE 999999 999998 | TOTWGT D omitted not admin. VLD: .T. Flags: SCR: 463 / CAR:F / CAT:D / DEF: | 744- 756/N 13.6 |
| COMMENT: | | | | | |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---------------------------------------|---------------------------------|---|-----------------|
| 464 EXTRA-A | BS4GCAL1 | CALCULATOR SURVEY | 1 2 9 8 | A B omitted not admin. VLD: BS4GCAL1\$'1#2#9#8' Flags: SCR: 464 / CAR:F / CAT:B COMMENT: Did you have a calculator to use on this test? | 757 /C 1.0 |
| 465 EXTRA-B | BS4GCAL2 | CALCULATOR SURVEY | 1 2 3 4 9 8 | A B C D omitted not admin. VLD: BS4GCAL2\$'1#2#3#4#9#8' Flags: SCR: 465 / CAR:F / CAT:B COMMENT: If you did have a calculator to use, how often did you use it? | 758 /C 1.0 |
| 466 BENCHMARK | BSMIBM01 | MATH INTL BNCHMRK REACHED WITH 1ST PV | 1 2 3 4 5 9 8 | BELOW 400 AT OR ABOVE 400 BUT BELOW 475 AT OR ABOVE 475 BUT BELOW 550 AT OR ABOVE 550 BUT BELOW 625 AT OR ABOVE 625 omitted not admin. VLD: BSMIBM01\$'1#2#3#4#5#9#8' Flags: SCR: 466 / CAR:F / CAT:D COMMENT: | 759 /C 1.0 |
| 467 BENCHMARK | BSMIBM02 | MATH INTL BNCHMRK REACHED WITH 2ND PV | 1 2 3 4 5 9 8 | BELOW 400 AT OR ABOVE 400 BUT BELOW 475 AT OR ABOVE 475 BUT BELOW 550 AT OR ABOVE 550 BUT BELOW 625 AT OR ABOVE 625 omitted not admin. VLD: BSMIBM02\$'1#2#3#4#5#9#8' Flags: SCR: 467 / CAR:F / CAT:D COMMENT: | 760 /C 1.0 |
| 468 BENCHMARK | BSMIBM03 | MATH INTL BNCHMRK REACHED WITH 3RD PV | 1 2 3 4 5 9 8 | BELOW 400 AT OR ABOVE 400 BUT BELOW 475 AT OR ABOVE 475 BUT BELOW 550 AT OR ABOVE 550 BUT BELOW 625 AT OR ABOVE 625 omitted not admin. VLD: BSMIBM03\$'1#2#3#4#5#9#8' Flags: SCR: 468 / CAR:F / CAT:D COMMENT: | 761 /C 1.0 |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|---------------------------------------|----------|---------------------------------|-----------------|
| 469 BENCHMARK | BSMIBM04 | MATH INTL BNCHMRK REACHED WITH 4TH PV | 1 | BELOW 400 | 762 /C 1.0 |
| | | | 2 | AT OR ABOVE 400 BUT BELOW 475 | |
| | | | 3 | AT OR ABOVE 475 BUT BELOW 550 | |
| | | | 4 | AT OR ABOVE 550 BUT BELOW 625 | |
| | | | 5 | AT OR ABOVE 625 | |
| | | | 9 | omitted | |
| | | | 8 | not admin. | |
| | | | | VLD: BSMIBM04\$'1#2#3#4#5#9#8' | |
| | | | | Flags: SCR: 469 / CAR:F / CAT:D | / DEF: |
| | | | COMMENT: | | |
| 470 BENCHMARK | BSMIBM05 | MATH INTL BNCHMRK REACHED WITH 5TH PV | 1 | BELOW 400 | 763 /C 1.0 |
| | | | 2 | AT OR ABOVE 400 BUT BELOW 475 | |
| | | | 3 | AT OR ABOVE 475 BUT BELOW 550 | |
| | | | 4 | AT OR ABOVE 550 BUT BELOW 625 | |
| | | | 5 | AT OR ABOVE 625 | |
| | | | 9 | omitted | |
| | | | 8 | not admin. | |
| | | | | VLD: BSMIBM05\$'1#2#3#4#5#9#8' | |
| | | | | Flags: SCR: 470 / CAR:F / CAT:D | / DEF: |
| | | | COMMENT: | | |
| 471 BENCHMARK | BSSIBM01 | SCI INTL BNCHMRK REACHED WITH 1ST PV | 1 | BELOW 400 | 764 /C 1.0 |
| | | | 2 | AT OR ABOVE 400 BUT BELOW 475 | |
| | | | 3 | AT OR ABOVE 475 BUT BELOW 550 | |
| | | | 4 | AT OR ABOVE 550 BUT BELOW 625 | |
| | | | 5 | AT OR ABOVE 625 | |
| | | | 9 | omitted | |
| | | | 8 | not admin. | |
| | | | | VLD: BSSIBM01\$'1#2#3#4#5#9#8' | |
| | | | | Flags: SCR: 471 / CAR:F / CAT:D | / DEF: |
| | | | COMMENT: | | |
| 472 BENCHMARK | BSSIBM02 | SCI INTL BNCHMRK REACHED WITH 2ND PV | 1 | BELOW 400 | 765 /C 1.0 |
| | | | 2 | AT OR ABOVE 400 BUT BELOW 475 | |
| | | | 3 | AT OR ABOVE 475 BUT BELOW 550 | |
| | | | 4 | AT OR ABOVE 550 BUT BELOW 625 | |
| | | | 5 | AT OR ABOVE 625 | |
| | | | 9 | omitted | |
| | | | 8 | not admin. | |
| | | | | VLD: BSSIBM02\$'1#2#3#4#5#9#8' | |
| | | | | Flags: SCR: 472 / CAR:F / CAT:D | / DEF: |
| | | | COMMENT: | | |
| 473 BENCHMARK | BSSIBM03 | SCI INTL BNCHMRK REACHED WITH 3RD PV | 1 | BELOW 400 | 766 /C 1.0 |
| | | | 2 | AT OR ABOVE 400 BUT BELOW 475 | |
| | | | 3 | AT OR ABOVE 475 BUT BELOW 550 | |
| | | | 4 | AT OR ABOVE 550 BUT BELOW 625 | |
| | | | 5 | AT OR ABOVE 625 | |
| | | | 9 | omitted | |
| | | | 8 | not admin. | |
| | | | | VLD: BSSIBM03\$'1#2#3#4#5#9#8' | |
| | | | | Flags: SCR: 473 / CAR:F / CAT:D | / DEF: |
| | | | COMMENT: | | |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--|----------|---------------------------------|-----------------|
| 474 BENCHMARK | BSSIBM04 | SCI INTL BNCHMRK REACHED WITH 4TH PV | 1 | BELOW 400 | 767 /C 1.0 |
| | | | 2 | AT OR ABOVE 400 BUT BELOW 475 | |
| | | | 3 | AT OR ABOVE 475 BUT BELOW 550 | |
| | | | 4 | AT OR ABOVE 550 BUT BELOW 625 | |
| | | | 5 | AT OR ABOVE 625 | |
| | | | 9 | omitted | |
| | | | 8 | not admin. | |
| | | | | VLD: BSSIBM04\$'1#2#3#4#5#9#8' | |
| | | | | Flags: SCR: 474 / CAR:F / CAT:D | / DEF: |
| | | | COMMENT: | | |
| 475 BENCHMARK | BSSIBM05 | SCI INTL BNCHMRK REACHED WITH 5TH PV | 1 | BELOW 400 | 768 /C 1.0 |
| | | | 2 | AT OR ABOVE 400 BUT BELOW 475 | |
| | | | 3 | AT OR ABOVE 475 BUT BELOW 550 | |
| | | | 4 | AT OR ABOVE 550 BUT BELOW 625 | |
| | | | 5 | AT OR ABOVE 625 | |
| | | | 9 | omitted | |
| | | | 8 | not admin. | |
| | | | | VLD: BSSIBM05\$'1#2#3#4#5#9#8' | |
| | | | | Flags: SCR: 475 / CAR:F / CAT:D | / DEF: |
| | | | COMMENT: | | |
| 476 SCORE | BSMSCPT | RAW SCORE ON MATH ITEMS | VALUE | BSMSCPT D | 769- 770/N 2.0 |
| | | | 99 | omitted | |
| | | | 98 | not admin. | |
| | | | | VLD: .T. | |
| | | | | Flags: SCR: 476 / CAR:F / CAT:D | / DEF: |
| | | | COMMENT: | | |
| 477 SCORE | BSMSTDR | STANDARDIZED MATH RAW SCORE (50,10) | VALUE | BSMSTDR D | 771- 778/N 8.3 |
| | | | 9999 | omitted | |
| | | | 9998 | not admin. | |
| | | | | VLD: .T. | |
| | | | | Flags: SCR: 477 / CAR:F / CAT:D | / DEF: |
| | | | COMMENT: | | |
| 478 SCORE | BSSSCPT | RAW SCORE ON SCIENCE ITEMS | VALUE | BSSSCPT D | 779- 780/N 2.0 |
| | | | 99 | omitted | |
| | | | 98 | not admin. | |
| | | | | VLD: .T. | |
| | | | | Flags: SCR: 478 / CAR:F / CAT:D | / DEF: |
| | | | COMMENT: | | |
| 479 SCORE | BSSSTDR | STANDARDIZED SCIENCE RAW SCORE (50,10) | VALUE | BSSSTDR D | 781- 788/N 8.3 |
| | | | 9999 | omitted | |
| | | | 9998 | not admin. | |
| | | | | VLD: .T. | |
| | | | | Flags: SCR: 479 / CAR:F / CAT:D | / DEF: |
| | | | COMMENT: | | |
| 480 SCORE | BSSNRSC | NATIONAL SCIENCE RASCH SCORE (150,10) | VALUE | BSSNRSC D | 789- 796/N 8.3 |
| | | | 9999 | omitted | |
| | | | 9998 | not admin. | |
| | | | | VLD: .T. | |
| | | | | Flags: SCR: 480 / CAR:F / CAT:D | / DEF: |
| | | | COMMENT: | | |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|------------------------------------|-----------------------|--|-----------------|
| 481 SCORE | BSMNRSC | NATIONAL MATH RASCH SCORE (150,10) | VALUE 9999 9998 | BSMNRSC D omitted not admin. VLD: .T. Flags: SCR: 481 / CAR:F / CAT:D / DEF: | 797- 804/N 8.3 |
| | | | COMMENT: | | |
| 482 SCORE | BSMMAT01 | 1ST PLAUSIBLE VALUE MATHEMATICS | VALUE | Plausible Value VLD: .T. Flags: SCR: 482 / CAR:F / CAT:D / DEF: | 805- 810/N 6.2 |
| | | | COMMENT: | | |
| 483 SCORE | BSMMAT02 | 2ND PLAUSIBLE VALUE MATHEMATICS | VALUE | Plausible Value VLD: .T. Flags: SCR: 483 / CAR:F / CAT:D / DEF: | 811- 816/N 6.2 |
| | | | COMMENT: | | |
| 484 SCORE | BSMMAT03 | 3RD PLAUSIBLE VALUE MATHEMATICS | VALUE | Plausible Value VLD: .T. Flags: SCR: 484 / CAR:F / CAT:D / DEF: | 817- 822/N 6.2 |
| | | | COMMENT: | | |
| 485 SCORE | BSMMAT04 | 4TH PLAUSIBLE VALUE MATHEMATICS | VALUE | Plausible Value VLD: .T. Flags: SCR: 485 / CAR:F / CAT:D / DEF: | 823- 828/N 6.2 |
| | | | COMMENT: | | |
| 486 SCORE | BSMMAT05 | 5TH PLAUSIBLE VALUE MATHEMATICS | VALUE | Plausible Value VLD: .T. Flags: SCR: 486 / CAR:F / CAT:D / DEF: | 829- 834/N 6.2 |
| | | | COMMENT: | | |
| 487 SCORE | BSSSCI01 | 1ST PLAUSIBLE VALUE SCIENCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 487 / CAR:F / CAT:D / DEF: | 835- 840/N 6.2 |
| | | | COMMENT: | | |
| 488 SCORE | BSSSCI02 | 2ND PLAUSIBLE VALUE SCIENCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 488 / CAR:F / CAT:D / DEF: | 841- 846/N 6.2 |
| | | | COMMENT: | | |
| 489 SCORE | BSSSCI03 | 3RD PLAUSIBLE VALUE SCIENCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 489 / CAR:F / CAT:D / DEF: | 847- 852/N 6.2 |
| | | | COMMENT: | | |
| 490 SCORE | BSSSCI04 | 4TH PLAUSIBLE VALUE SCIENCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 490 / CAR:F / CAT:D / DEF: | 853- 858/N 6.2 |
| | | | COMMENT: | | |
| 491 SCORE | BSSSCI05 | 5TH PLAUSIBLE VALUE SCIENCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 491 / CAR:F / CAT:D / DEF: | 859- 864/N 6.2 |
| | | | COMMENT: | | |

| Var. No. | Question | Variable Name | Variable Label | Code | Option | Location/Format |
|----------|----------|---------------|------------------------|----------|--|-----------------|
| 492 | SCORE | BSMALG01 | 1ST PV ALGEBRA | VALUE | Plausible Value VLD: .T. Flags: SCR: 492 / CAR:F / CAT:D | 865- 870/N 6.2 |
| | | | | COMMENT: | | |
| 493 | SCORE | BSMALG02 | 2ND PV ALGEBRA | VALUE | Plausible Value VLD: .T. Flags: SCR: 493 / CAR:F / CAT:D | 871- 876/N 6.2 |
| | | | | COMMENT: | | |
| 494 | SCORE | BSMALG03 | 3RD PV ALGEBRA | VALUE | Plausible Value VLD: .T. Flags: SCR: 494 / CAR:F / CAT:D | 877- 882/N 6.2 |
| | | | | COMMENT: | | |
| 495 | SCORE | BSMALG04 | 4TH PV ALGEBRA | VALUE | Plausible Value VLD: .T. Flags: SCR: 495 / CAR:F / CAT:D | 883- 888/N 6.2 |
| | | | | COMMENT: | | |
| 496 | SCORE | BSMALG05 | 5TH PV ALGEBRA | VALUE | Plausible Value VLD: .T. Flags: SCR: 496 / CAR:F / CAT:D | 889- 894/N 6.2 |
| | | | | COMMENT: | | |
| 497 | SCORE | BSMDAT01 | 1ST PV DATA AND CHANCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 497 / CAR:F / CAT:D | 895- 900/N 6.2 |
| | | | | COMMENT: | | |
| 498 | SCORE | BSMDAT02 | 2ND PV DATA AND CHANCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 498 / CAR:F / CAT:D | 901- 906/N 6.2 |
| | | | | COMMENT: | | |
| 499 | SCORE | BSMDAT03 | 3RD PV DATA AND CHANCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 499 / CAR:F / CAT:D | 907- 912/N 6.2 |
| | | | | COMMENT: | | |
| 500 | SCORE | BSMDAT04 | 4TH PV DATA AND CHANCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 500 / CAR:F / CAT:D | 913- 918/N 6.2 |
| | | | | COMMENT: | | |
| 501 | SCORE | BSMDAT05 | 5TH PV DATA AND CHANCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 501 / CAR:F / CAT:D | 919- 924/N 6.2 |
| | | | | COMMENT: | | |
| 502 | SCORE | BSMNUM01 | 1ST PV NUMBER | VALUE | Plausible Value VLD: .T. Flags: SCR: 502 / CAR:F / CAT:D | 925- 930/N 6.2 |
| | | | | COMMENT: | | |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|------------------|----------|--|-----------------|
| 503 SCORE | BSMNUM02 | 2ND PV NUMBER | VALUE | Plausible Value VLD: .T. Flags: SCR: 503 / CAR:F / CAT:D | 931- 936/N 6.2 |
| | | | COMMENT: | | |
| 504 SCORE | BSMNUM03 | 3RD PV NUMBER | VALUE | Plausible Value VLD: .T. Flags: SCR: 504 / CAR:F / CAT:D | 937- 942/N 6.2 |
| | | | COMMENT: | | |
| 505 SCORE | BSMNUM04 | 4TH PV NUMBER | VALUE | Plausible Value VLD: .T. Flags: SCR: 505 / CAR:F / CAT:D | 943- 948/N 6.2 |
| | | | COMMENT: | | |
| 506 SCORE | BSMNUM05 | 5TH PV NUMBER | VALUE | Plausible Value VLD: .T. Flags: SCR: 506 / CAR:F / CAT:D | 949- 954/N 6.2 |
| | | | COMMENT: | | |
| 507 SCORE | BSMGEO01 | 1ST PV GEOMETRY | VALUE | Plausible Value VLD: .T. Flags: SCR: 507 / CAR:F / CAT:D | 955- 960/N 6.2 |
| | | | COMMENT: | | |
| 508 SCORE | BSMGEO02 | 2ND PV GEOMETRY | VALUE | Plausible Value VLD: .T. Flags: SCR: 508 / CAR:F / CAT:D | 961- 966/N 6.2 |
| | | | COMMENT: | | |
| 509 SCORE | BSMGEO03 | 3RD PV GEOMETRY | VALUE | Plausible Value VLD: .T. Flags: SCR: 509 / CAR:F / CAT:D | 967- 972/N 6.2 |
| | | | COMMENT: | | |
| 510 SCORE | BSMGEO04 | 4TH PV GEOMETRY | VALUE | Plausible Value VLD: .T. Flags: SCR: 510 / CAR:F / CAT:D | 973- 978/N 6.2 |
| | | | COMMENT: | | |
| 511 SCORE | BSMGEO05 | 5TH PV GEOMETRY | VALUE | Plausible Value VLD: .T. Flags: SCR: 511 / CAR:F / CAT:D | 979- 984/N 6.2 |
| | | | COMMENT: | | |
| 512 SCORE | BSSCHE01 | 1ST PV CHEMISTRY | VALUE | Plausible Value VLD: .T. Flags: SCR: 512 / CAR:F / CAT:D | 985- 990/N 6.2 |
| | | | COMMENT: | | |
| 513 SCORE | BSSCHE02 | 2ND PV CHEMISTRY | VALUE | Plausible Value VLD: .T. Flags: SCR: 513 / CAR:F / CAT:D | 991- 996/N 6.2 |
| | | | COMMENT: | | |

| Var. No. | Question | Variable Name | Variable Label | Code | Option | Location/Format |
|----------|----------|---------------|----------------------|----------|--|------------------|
| 514 | SCORE | BSSCHE03 | 3RD PV CHEMISTRY | VALUE | Plausible Value VLD: .T. Flags: SCR: 514 / CAR:F / CAT:D | 997- 1002/N 6.2 |
| | | | | COMMENT: | | |
| 515 | SCORE | BSSCHE04 | 4TH PV CHEMISTRY | VALUE | Plausible Value VLD: .T. Flags: SCR: 515 / CAR:F / CAT:D | 1003- 1008/N 6.2 |
| | | | | COMMENT: | | |
| 516 | SCORE | BSSCHE05 | 5TH PV CHEMISTRY | VALUE | Plausible Value VLD: .T. Flags: SCR: 516 / CAR:F / CAT:D | 1009- 1014/N 6.2 |
| | | | | COMMENT: | | |
| 517 | SCORE | BSSEAR01 | 1ST PV EARTH SCIENCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 517 / CAR:F / CAT:D | 1015- 1020/N 6.2 |
| | | | | COMMENT: | | |
| 518 | SCORE | BSSEAR02 | 2ND PV EARTH SCIENCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 518 / CAR:F / CAT:D | 1021- 1026/N 6.2 |
| | | | | COMMENT: | | |
| 519 | SCORE | BSSEAR03 | 3RD PV EARTH SCIENCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 519 / CAR:F / CAT:D | 1027- 1032/N 6.2 |
| | | | | COMMENT: | | |
| 520 | SCORE | BSSEAR04 | 4TH PV EARTH SCIENCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 520 / CAR:F / CAT:D | 1033- 1038/N 6.2 |
| | | | | COMMENT: | | |
| 521 | SCORE | BSSEAR05 | 5TH PV EARTH SCIENCE | VALUE | Plausible Value VLD: .T. Flags: SCR: 521 / CAR:F / CAT:D | 1039- 1044/N 6.2 |
| | | | | COMMENT: | | |
| 522 | SCORE | BSSBIO01 | 1ST PV BIOLOGY | VALUE | Plausible Value VLD: .T. Flags: SCR: 522 / CAR:F / CAT:D | 1045- 1050/N 6.2 |
| | | | | COMMENT: | | |
| 523 | SCORE | BSSBIO02 | 2ND PV BIOLOGY | VALUE | Plausible Value VLD: .T. Flags: SCR: 523 / CAR:F / CAT:D | 1051- 1056/N 6.2 |
| | | | | COMMENT: | | |
| 524 | SCORE | BSSBIO03 | 3RD PV BIOLOGY | VALUE | Plausible Value VLD: .T. Flags: SCR: 524 / CAR:F / CAT:D | 1057- 1062/N 6.2 |
| | | | | COMMENT: | | |

| Var. No. | Question | Variable Name | Variable Label | Code | Option | Location/Format |
|----------|----------|---------------|---------------------|----------|--|------------------|
| 525 | SCORE | BSSBIO04 | 4TH PV BIOLOGY | VALUE | Plausible Value VLD: .T. Flags: SCR: 525 / CAR:F / CAT:D | 1063- 1068/N 6.2 |
| | | | | COMMENT: | | |
| 526 | SCORE | BSSBIO05 | 5TH PV BIOLOGY | VALUE | Plausible Value VLD: .T. Flags: SCR: 526 / CAR:F / CAT:D | 1069- 1074/N 6.2 |
| | | | | COMMENT: | | |
| 527 | SCORE | BSSPHY01 | 1ST PV PHYSICS | VALUE | Plausible Value VLD: .T. Flags: SCR: 527 / CAR:F / CAT:D | 1075- 1080/N 6.2 |
| | | | | COMMENT: | | |
| 528 | SCORE | BSSPHY02 | 2ND PV PHYSICS | VALUE | Plausible Value VLD: .T. Flags: SCR: 528 / CAR:F / CAT:D | 1081- 1086/N 6.2 |
| | | | | COMMENT: | | |
| 529 | SCORE | BSSPHY03 | 3RD PV PHYSICS | VALUE | Plausible Value VLD: .T. Flags: SCR: 529 / CAR:F / CAT:D | 1087- 1092/N 6.2 |
| | | | | COMMENT: | | |
| 530 | SCORE | BSSPHY04 | 4TH PV PHYSICS | VALUE | Plausible Value VLD: .T. Flags: SCR: 530 / CAR:F / CAT:D | 1093- 1098/N 6.2 |
| | | | | COMMENT: | | |
| 531 | SCORE | BSSPHY05 | 5TH PV PHYSICS | VALUE | Plausible Value VLD: .T. Flags: SCR: 531 / CAR:F / CAT:D | 1099- 1104/N 6.2 |
| | | | | COMMENT: | | |
| 532 | SCORE | BSMKNO01 | 1ST PV MATH KNOWING | VALUE | Plausible Value VLD: .T. Flags: SCR: 532 / CAR:F / CAT:D | 1105- 1110/N 6.2 |
| | | | | COMMENT: | | |
| 533 | SCORE | BSMKNO02 | 2ND PV MATH KNOWING | VALUE | Plausible Value VLD: .T. Flags: SCR: 533 / CAR:F / CAT:D | 1111- 1116/N 6.2 |
| | | | | COMMENT: | | |
| 534 | SCORE | BSMKNO03 | 3RD PV MATH KNOWING | VALUE | Plausible Value VLD: .T. Flags: SCR: 534 / CAR:F / CAT:D | 1117- 1122/N 6.2 |
| | | | | COMMENT: | | |
| 535 | SCORE | BSMKNO04 | 4TH PV MATH KNOWING | VALUE | Plausible Value VLD: .T. Flags: SCR: 535 / CAR:F / CAT:D | 1123- 1128/N 6.2 |
| | | | | COMMENT: | | |

| Var. No. | Question | Variable Name | Variable Label | Code | Option | Location/Format |
|----------|----------|---------------|-----------------------|----------|--|------------------|
| 536 | SCORE | BSMKNO05 | 5TH PV MATH KNOWING | VALUE | Plausible Value VLD: .T. Flags: SCR: 536 / CAR:F / CAT:D | 1129- 1134/N 6.2 |
| | | | | COMMENT: | | |
| 537 | SCORE | BSMAPP01 | 1ST PV MATH APPLYING | VALUE | Plausible Value VLD: .T. Flags: SCR: 537 / CAR:F / CAT:D | 1135- 1140/N 6.2 |
| | | | | COMMENT: | | |
| 538 | SCORE | BSMAPP02 | 2ND PV MATH APPLYING | VALUE | Plausible Value VLD: .T. Flags: SCR: 538 / CAR:F / CAT:D | 1141- 1146/N 6.2 |
| | | | | COMMENT: | | |
| 539 | SCORE | BSMAPP03 | 3RD PV MATH APPLYING | VALUE | Plausible Value VLD: .T. Flags: SCR: 539 / CAR:F / CAT:D | 1147- 1152/N 6.2 |
| | | | | COMMENT: | | |
| 540 | SCORE | BSMAPP04 | 4TH PV MATH APPLYING | VALUE | Plausible Value VLD: .T. Flags: SCR: 540 / CAR:F / CAT:D | 1153- 1158/N 6.2 |
| | | | | COMMENT: | | |
| 541 | SCORE | BSMAPP05 | 5TH PV MATH APPLYING | VALUE | Plausible Value VLD: .T. Flags: SCR: 541 / CAR:F / CAT:D | 1159- 1164/N 6.2 |
| | | | | COMMENT: | | |
| 542 | SCORE | BSMREA01 | 1ST PV MATH REASONING | VALUE | Plausible Value VLD: .T. Flags: SCR: 542 / CAR:F / CAT:D | 1165- 1170/N 6.2 |
| | | | | COMMENT: | | |
| 543 | SCORE | BSMREA02 | 2ND PV MATH REASONING | VALUE | Plausible Value VLD: .T. Flags: SCR: 543 / CAR:F / CAT:D | 1171- 1176/N 6.2 |
| | | | | COMMENT: | | |
| 544 | SCORE | BSMREA03 | 3RD PV MATH REASONING | VALUE | Plausible Value VLD: .T. Flags: SCR: 544 / CAR:F / CAT:D | 1177- 1182/N 6.2 |
| | | | | COMMENT: | | |
| 545 | SCORE | BSMREA04 | 4TH PV MATH REASONING | VALUE | Plausible Value VLD: .T. Flags: SCR: 545 / CAR:F / CAT:D | 1183- 1188/N 6.2 |
| | | | | COMMENT: | | |
| 546 | SCORE | BSMREA05 | 5TH PV MATH REASONING | VALUE | Plausible Value VLD: .T. Flags: SCR: 546 / CAR:F / CAT:D | 1189- 1194/N 6.2 |
| | | | | COMMENT: | | |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|--------------------------|----------|--|------------------|
| 547 SCORE | BSSKNO01 | 1ST PV SCIENCE KNOWING | VALUE | Plausible Value VLD: .T. Flags: SCR: 547 / CAR:F / CAT:D | 1195- 1200/N 6.2 |
| | | | COMMENT: | | |
| 548 SCORE | BSSKNO02 | 2ND PV SCIENCE KNOWING | VALUE | Plausible Value VLD: .T. Flags: SCR: 548 / CAR:F / CAT:D | 1201- 1206/N 6.2 |
| | | | COMMENT: | | |
| 549 SCORE | BSSKNO03 | 3RD PV SCIENCE KNOWING | VALUE | Plausible Value VLD: .T. Flags: SCR: 549 / CAR:F / CAT:D | 1207- 1212/N 6.2 |
| | | | COMMENT: | | |
| 550 SCORE | BSSKNO04 | 4TH PV SCIENCE KNOWING | VALUE | Plausible Value VLD: .T. Flags: SCR: 550 / CAR:F / CAT:D | 1213- 1218/N 6.2 |
| | | | COMMENT: | | |
| 551 SCORE | BSSKNO05 | 5TH PV SCIENCE KNOWING | VALUE | Plausible Value VLD: .T. Flags: SCR: 551 / CAR:F / CAT:D | 1219- 1224/N 6.2 |
| | | | COMMENT: | | |
| 552 SCORE | BSSAPP01 | 1ST PV SCIENCE APPLYING | VALUE | Plausible Value VLD: .T. Flags: SCR: 552 / CAR:F / CAT:D | 1225- 1230/N 6.2 |
| | | | COMMENT: | | |
| 553 SCORE | BSSAPP02 | 2ND PV SCIENCE APPLYING | VALUE | Plausible Value VLD: .T. Flags: SCR: 553 / CAR:F / CAT:D | 1231- 1236/N 6.2 |
| | | | COMMENT: | | |
| 554 SCORE | BSSAPP03 | 3RD PV SCIENCE APPLYING | VALUE | Plausible Value VLD: .T. Flags: SCR: 554 / CAR:F / CAT:D | 1237- 1242/N 6.2 |
| | | | COMMENT: | | |
| 555 SCORE | BSSAPP04 | 4TH PV SCIENCE APPLYING | VALUE | Plausible Value VLD: .T. Flags: SCR: 555 / CAR:F / CAT:D | 1243- 1248/N 6.2 |
| | | | COMMENT: | | |
| 556 SCORE | BSSAPP05 | 5TH PV SCIENCE APPLYING | VALUE | Plausible Value VLD: .T. Flags: SCR: 556 / CAR:F / CAT:D | 1249- 1254/N 6.2 |
| | | | COMMENT: | | |
| 557 SCORE | BSSREA01 | 1ST PV SCIENCE REASONING | VALUE | Plausible Value VLD: .T. Flags: SCR: 557 / CAR:F / CAT:D | 1255- 1260/N 6.2 |
| | | | COMMENT: | | |

| Var. Question No. | Variable Name | Variable Label | Code | Option | Location/Format |
|-------------------|---------------|-----------------------------------|-----------------------------|---|------------------|
| 558 SCORE | BSSREA02 | 2ND PV SCIENCE REASONING | VALUE | Plausible Value VLD: .T. Flags: SCR: 558 / CAR:F / CAT:D | 1261- 1266/N 6.2 |
| | | | COMMENT: | | |
| 559 SCORE | BSSREA03 | 3RD PV SCIENCE REASONING | VALUE | Plausible Value VLD: .T. Flags: SCR: 559 / CAR:F / CAT:D | 1267- 1272/N 6.2 |
| | | | COMMENT: | | |
| 560 SCORE | BSSREA04 | 4TH PV SCIENCE REASONING | VALUE | Plausible Value VLD: .T. Flags: SCR: 560 / CAR:F / CAT:D | 1273- 1278/N 6.2 |
| | | | COMMENT: | | |
| 561 SCORE | BSSREA05 | 5TH PV SCIENCE REASONING | VALUE | Plausible Value VLD: .T. Flags: SCR: 561 / CAR:F / CAT:D | 1279- 1284/N 6.2 |
| | | | COMMENT: | | |
| 562 DATE | DPCDATE | FILE CREATION DATE AT DPC HAMBURG | VALUE 9999999 9999999 | DPCDATE D omitted not admin. VLD: .T. Flags: SCR: 562 / CAR:F / CAT:D | 1285- 1292/N 8.0 |
| | | | COMMENT: | | |