|          | 1MA1 Pra   | ctice papers Set 6: Pap | er 1H (R | egular) mark scheme – Version 1.0                  |
|----------|--|-------------------------|----------|--|
| Question | Working  | Answer                  | Mark     | Notes  |
| 3        |  | graph                   | 3        | (Table of values)                                  |
|          | x -2 -1   0   1   2   3   4   5  |                         |          | M1 for at least 2 correct attempts to find points  |
|          | y         6         5         4         3         2         1         0         -1 |                         |          | by substituting values of x                        |
|          |  |                         |          | M1 ft for plotting at least 2 of their points      |
|          |  |                         |          | (any points plotted from their table               |
|          |  |                         |          | must be correct)                                   |
|          |  |                         |          | A1 for correct line between $x = -2$ and $x = 5$   |
|          |  |                         |          | or   |
|          |  |                         |          | (No table of values)                               |
|          |  |                         |          | M2 for at least 2 correct points (and no incorrect |
|          |  |                         |          | points) plotted                                    |
|          |  |                         |          | <b>or</b> line segment of $x + y = 4$ drawn        |
|          |  |                         |          | (ignore any additional incorrect segments)         |
|          |  |                         |          | (M1 for at least 3 correct points plotted with     |
|          |  |                         |          | no more than 2 incorrect)                          |
|          |  |                         |          | A1 for correct line between $x = -2$ and $x = 5$   |
|          |  |                         |          | or   |
|          |  |                         |          | (Use of $y = mx + c$ )                             |
|          |  |                         |          | M2 for at least 2 correct points (and no           |
|          |  |                         |          | incorrect points) plotted                          |

|     |       | 1MA1 Pra | ctice papers Set 6: Pap | per 1H (R | egular) mark scheme – Version 1.0   |
|-----|-------|----------|-------------------------|-----------|---|
| Que | stion | Working  | Answer                  | Mark      | Notes   |
|     |       |          |                         |           | (M1 for $y = 4 - x$ or line drawn with  |
|     |       |          |                         |           | gradient of -1 or line drawn with a y   |
|     |       |          |                         |           | intercept of 4 and a negative gradient)   |
|     |       |          |                         |           | A1 for correct line between $x = -2$ and $x = 5$  |
| 4   |       |          | Proof                   | 4         | M1 for setting up a correct equation in $x$ ,   |
|     |       |          |                         |           | eg. $3x - 2 = x + 1$  |
|     |       |          |                         |           | M1 (dep) for a fully correct method to solve their equation or for $x = 1.5$                    |
|     |       |          |                         |           | M1 (dep) for ("1.5" + 1) $\times$ 4 or (3 $\times$ "1.5" – 2) $\times$ 4                        |
|     |       |          |                         |           | or $(3 \times "1.5" - 2) \times 2 + ("1.5" + 1) \times 2$                                       |
|     |       |          |                         |           | C1 (dep on M3) for completing the proof resulting in a perimeter of 10                          |
|     |       |          |                         |           | OR  |
|     |       |          |                         |           | M1 for setting up a correct equation in $x$ ,   |
|     |       |          |                         |           | eg. $2(3x-2)+2(x+1)=10$   |
|     |       |          |                         |           | M1 (dep) for a fully correct method to solve their equation or for $x = 1.5$                    |
|     |       |          |                         |           | M1 (dep) for "1.5" + 1 and $3 \times$ "1.5" - 2   |
|     |       |          |                         |           | C1 (dep on M3) for completing the proof resulting in a justification that the shape is a square |
|     |       |          |                         |           |   |

|     | 1MA1 Practice papers Set 6: Paper 1H (Regular) mark scheme – Version 1.0 |         |        |      |  |  |  |
|-----|--|---------|--------|------|--|--|--|
| Que | stion  | Working | Answer | Mark | Notes  |  |  |
| 5   |  |         | 9      | 4    | M1 for method to find area of one rectangle,               |  |  |
|     |  |         |        |      | eg 15 × 8 (=120) or 15 × 11 (=165)                         |  |  |
|     |  |         |        |      | M1 (dep) for subtracting from/by given area,               |  |  |
|     |  |         |        |      | eg (138 – "120") (=18) or "165" – 138 (=27)                |  |  |
|     |  |         |        |      | M1 for final step from complete method shown,              |  |  |
|     |  |         |        |      | eg 15 – "18"÷ 3 or "27" ÷ 3                                |  |  |
|     |  |         |        |      | A1 cao   |  |  |
|     |  |         |        |      |  |  |  |
|     |  |         |        |      | OR   |  |  |
|     |  |         |        |      |  |  |  |
|     |  |         |        |      | M1 for a correct expression for the area of one rectangle, |  |  |
|     |  |         |        |      | eg $(8+3) \times (15-x)$ or $8 \times x$                   |  |  |
|     |  |         |        |      | M1 (dep) for a correct equation                            |  |  |
|     |  |         |        |      | eg $(8+3) \times (15-x) + 8 \times x = 138$                |  |  |
|     |  |         |        |      | M1 for correct method to isolate $x$ , eg $3x = 27$        |  |  |
|     |  |         |        |      | A1 cao   |  |  |
|     |  |         |        |      |  |  |  |
|     |  |         |        |      |  |  |  |
|     |  |         |        |      |  |  |  |
|     |  |         |        |      |  |  |  |

|     |         | 1MA1 Pra  | ctice papers Set 6: Pap | er 1H (Re | egular) mark scheme – Version 1.0   |
|-----|---------|---|-------------------------|-----------|---|
| Que | estion  | Working   | Answer                  | Mark      | Notes   |
| 7   | (a) (b) | $\frac{8}{20} + \frac{5}{20}$ $\frac{25}{8} \times \frac{2}{5}$ | 13/20<br>5/4            | Mark      | M1 for both fractions expressed with a suitable common denominator (multiple of 20) and at least one of the two fractions correct  A1 for $\frac{13}{20}$ oe or M1 for $0.4 + 0.25$ A1 for $0.65$ or M1 for table structure, all cells correct A1 for $13/20$ oe M1 for a correct method to convert to improper fractions or $\frac{(3\times 8+1)}{8}$ M1 (dep) for A1 for or $\frac{5}{4}$ or 1.25  (SC: B2 for 7.5) |
|     |         |   |                         |           |   |

|     |        | 1MA1 Prac   | ctice papers Set 6: Pap | er 1H (Re | egular) mark scheme – Version 1.0   |
|-----|--------|---|-------------------------|-----------|---|
| Que | estion | Working   | Answer                  | Mark      | Notes   |
| 8   | (a)    | $\frac{3}{2+3+5}$   | $\frac{3}{10}$          | 2         | M1 for $\frac{3}{2+3+5}$ A1 for $\frac{3}{10}$ oe   |
|     | (b)    | $60 \div 5 = 12$ $12 \times 2 =$  | 24                      | 3         | M1 for 60 ÷ 5 M1 for "12" × 2 A1 for 24 cao   |
|     |        | Alternative:<br>Total sum = $60 \times 2 = 120$<br>Lillian = $\frac{2}{10}$ of $120 = 120 \times 2 \div 10$ |                         |           | Alternative:  M1 for $60 \times 2 = 120$ seen  M1 for $120 \times 2 \div 10$ A1 cao  SC: B2 for 24, 36 and 60  SC: B1 for 36 on answer line |
| 9   | (a)    | 11 + 3 = 6y + 4y $14 = 10y$   | 1.4                     | 2         | M1 for collecting the y terms or the numbers on one side of equation,   |

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|-----|-------|---|-------------------------|-----------|--|
| Que | stion | Working   | Answer                  | Mark      | Notes  |
|     |       |   |                         |           | eg $11 = 6y - 3 + 4y$ or $11 - 4y + 3 = 6y$<br>A1 for 1.4 or $\frac{14}{10}$ oe        |
|     | (b)   | (x-8)(x+5)  | 8, -5                   | 3         | M2 for $(x-8)(x+5)$  |
|     |       |   |                         |           | (M1 for $(x \pm 8)(x \pm 5)$   |
|     |       |   |                         |           | A1 cao 8 and -5  |
|     |       | OR  |                         |           | OR   |
|     |       | $-(-3) \pm \sqrt{(-3)^2 - 4 \times 1 \times -40}$   |                         |           | M1 for correct substitution in formula of  |
|     |       | 2×1   |                         |           | $a = 1, b = \pm 3 \text{ and } c = \pm 40$   |
|     |       | $\frac{3 \pm \sqrt{169}}{2} = \frac{3 \pm 13}{2}$   |                         |           | M1 for reduction to $\frac{3\pm\sqrt{169}}{2}$ A1 cao 8 and -5                         |
|     |       |   |                         |           |  |
| 10  |       | $\left(\frac{6}{11} \times \frac{2}{10}\right) + \left(\frac{2}{11} \times \frac{6}{10}\right)$ | 24                      | 4         | B1 for $\frac{2}{10}$ or $\frac{6}{10}$ oe seen as the 2 <sup>nd</sup> probability     |
|     |       |   | 110                     |           | M1 for $(\frac{6}{11} \times \frac{2}{10})$ or $(\frac{2}{11} \times \frac{6}{10})$ oe |

|          | 1MA1 Pra                         | ctice papers Set 6: Pap | er 1H (Re | egular) mark scheme – Version 1.0  |
|----------|----------------------------------|-------------------------|-----------|--|
| Question | Working                          | Answer                  | Mark      | Notes  |
|          | $=\frac{12}{110}+\frac{12}{110}$ |                         |           | M1 for $(\frac{6}{11} \times \frac{2}{10}) + (\frac{2}{11} \times \frac{6}{10})$ o.e.    |
|          |                                  |                         |           | A1 for $\frac{24}{110}$ oe   |
|          |                                  |                         |           |  |
|          |                                  |                         |           | Tree diagram method  |
|          |                                  |                         |           | B1 for $\frac{2}{10}$ or $\frac{6}{10}$ oe seen as the 2 <sup>nd</sup> probability       |
|          |                                  |                         |           | M1 for $(\frac{6}{11}, \times \frac{2}{10})$ or $(\frac{2}{11}, \times \frac{6}{10})$ oe |
|          |                                  |                         |           | M1 for $(\frac{6}{11} \times \frac{2}{10}) + (\frac{2}{11} \times \frac{6}{10})$ oe      |
|          |                                  |                         |           | A1 for $\frac{24}{110}$ oe   |
|          |                                  |                         |           |  |
|          |                                  |                         |           |  |
|          |                                  |                         |           |  |
|          |                                  |                         |           |  |
|          |                                  |                         |           | Alternative scheme for replacement   |
|          |                                  |                         |           | B0 for $\frac{6}{11}$ or $\frac{2}{11}$ seen as the 2 <sup>nd</sup> probability          |
|          |                                  |                         |           | M1 for $(\frac{6}{11} \times \frac{2}{11})$ or $(\frac{2}{11} \times \frac{6}{11})$ oe   |
|          |                                  |                         |           | M1 for $(\frac{6}{11} \times \frac{2}{11}) + (\frac{2}{11} \times \frac{6}{11})$ oe      |

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|-----|-------|----------------|---|----------|---|
| Que | stion | Working        | Answer                                    | Mark     | Notes   |
|     |       |                |   |          | A0 for $\frac{24}{121}$ Special Cases  SC: Award B2 for $\frac{24}{121}$ or $\frac{10}{110}$ oe or $\frac{20}{110}$ oe  SC: Award B1 for $\frac{10}{121}$ or $\frac{20}{121}$ |
| 11  |       | 180 – <i>x</i> | $\frac{180 - x}{2}$ Or $90 - \frac{x}{2}$ | 2        | M1 for $180 - x$ seen (eg $180 - x \div 2$ ) A1 correct expression  |
| 12  | (a)   |                | 3   | 1        | B1 for 3 (accept ±3, but not –3 alone)  |
|     | (b)   |                | $\frac{1}{2}$                             | 1        | B1 for $\frac{1}{2}$ (= 0.5)  |
|     | (c)   |                | 4   | 1        | B1 cao  |
|     | (d)   |                | 6   | 3        | M1 for using $8 = 2^3$  |
|     |       |                |   |          | M1 for deriving a correct equation in m   |
|     |       |                |   |          | A1 cao  |

|     |       |         |         | 1MA1 Pra | ctice papers Set 6: Pap                       | er 1H (R | egular) mark scheme – Version 1.0   |
|-----|-------|---------|---------|----------|---|----------|---|
| Que | stion |         | Working | g        | Answer  | Mark     | Notes   |
| 13  |       |         | Boys    | Girls    | Comparison of                                 | 4        | B1 for correct median for girls or boys   |
|     |       | Median: | 115     | 112      | data  |          | B1 for any correct range or IQR   |
|     |       | Range:  | 41      | 33       |   |          | C1 for a correct comparison of the medians  |
|     |       | IQR:    | 17      | 9        |   |          | C1 ft for a correct comparison of the ranges or IQRs  |
|     |       |         |         |          |   |          | For the award of both C marks at least one of the comparisons made must be in the context of the question and all figures used for comparisons correct. |
|     |       |         |         |          |   |          | OR  |
|     |       |         |         |          |   |          | B2 for an accurately drawn boxplot ( superimposed)  |
|     |       |         |         |          |   |          | C1 for a correct comparison of the medians  |
|     |       |         |         |          |   |          | C1 for a correct comparison of the ranges or IQRs   |
|     |       |         |         |          |   |          | For the award of both C marks at least one of the comparisons made must be in the context of the question   |
|     |       |         |         |          |   |          |   |
| 14  | (a)   |         |         |          | 820 000                                       | 1        | B1 cao  |
|     | (b)   |         |         |          | $3.76 \times 10^{-4}$                         | 1        | B1 cao  |
|     | (c)   |         |         |          | $5 \times 10^8$                               | 2        | M1 for $2.3 \div 4.6 \times 10^{12-3}$ oe or 500 000 000 or $0.5 \times 10^9$   |
|     |       |         |         |          |   |          | A1 cao (accept $5.0 \times 10^8$  |
| 15  |       |         |         |          | $\frac{3\mathbf{b} - \mathbf{c}}{\mathbf{c}}$ | 4        | M1 for $\overrightarrow{CD} = \overrightarrow{CO} + \overrightarrow{OB} + \overrightarrow{BD}$  |
|     |       |         |         |          | 4   |          | M1 (indep) for $\overrightarrow{CO} + \overrightarrow{OB} = -\mathbf{c} + \mathbf{b}$   |
|     |       |         |         |          |   |          |   |

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|-----|-------------------|--|-------------------------------|----------|--|
| Que | estion            | Working  | Answer                        | Mark     | Notes  |
|     |                   |  |                               |          | or $\overrightarrow{BA} = -\mathbf{b} + 3\mathbf{c}$<br>M1 for $-\mathbf{c} + \mathbf{b} + \frac{1}{4}(-\mathbf{b} + 3\mathbf{c})$<br>A1 for $\frac{3\mathbf{b} - \mathbf{c}}{4}$<br>OR<br>M1 for $\overrightarrow{CD} = \overrightarrow{CA} + \overrightarrow{AD}$<br>M1 (indep) for $\overrightarrow{CA} = 2\mathbf{c}$ or $\overrightarrow{AB} = -3\mathbf{c} + \mathbf{b}$<br>M1 for $2\mathbf{c} + \frac{3}{4}(-3\mathbf{c} + \mathbf{b})$<br>A1 for $\frac{3\mathbf{b} - \mathbf{c}}{4}$ |
| 16  | (a)<br>(b)<br>(c) | $     \begin{array}{r}       1 - 0.3 \\       0.3 + 0.5 \\       0.2 \times 0.4 = 0.08     \end{array} $ | 0.7<br>0.8<br>Not independent | 1 1 2    | B1 0.7 oe B1 0.8 oe M1 for 0.2 × 0.4 (= 0.08)  |
|     |                   | $0.08 \neq 0.06$   | with reason                   |          | C1 for 0.08 and stating events not independent   |
| 17  |                   | $\frac{(2x-1)(x+5)}{(2x-1)(3x-1)}$   | $\frac{x+5}{3x-1}$            | 3        | M1 for factorizing the numerator correctly M1 for factorizing the denominator correctly A1 for $\frac{x+5}{3x-1}$  |
| 18  |                   | $ACB = 90^{\circ}$ angle in a semi circle $CBD = 180 - ACB$ cointerior angles add to $180^{\circ}$       | 45                            | 4        | B1 ACB = 90 (could be on the diagram) or 45 seen in a correct position on the diagram B1 answer of 45 B1 angle in a semicircle = 90  |

|     | 1MA1 Practice papers Set 6: Paper 1H (Regular) mark scheme – Version 1.0 |   |                 |      |  |  |  |  |  |  |
|-----|--|---|-----------------|------|--|--|--|--|--|--|
| Que | stion  | Working   | Answer          | Mark | Notes  |  |  |  |  |  |
|     |  | $CBD = 90^{\circ}$ $DCB = CDB =$ $(180^{\circ} - 90^{\circ}) \div 2$ base angles of an isosceles triangles                        |                 |      | B1 base angles <u>isosceles</u> triangle are equal or <u>alternate angles</u> are equal  |  |  |  |  |  |
| 19  |  | triangles   | D, C, B, A      | 3    | B3 all correct (B2 2 or 3 correct) (B1 1 correct)  |  |  |  |  |  |
| 20  |  | $3 - \sqrt{2} + 3\sqrt{2} - \sqrt{2}\sqrt{2}$   | $1+2\sqrt{2}$   | 2    | M1 for 4 terms correct ignoring signs or 3 out of no more than 4 terms correct A1 cao  |  |  |  |  |  |
| 21  | (a)  | $(a+1)^2 = a^2 + 2a + 1$ $\neq a^2 + 1$ OR  Pick any non-zero value of a and show that LHS $\neq$ RHS OR $(a+1)^2 = a^2 + 2a + 1$ | Correctly shown | 2    | M1 for $(a + 1)^2 = a^2 + 2a + 1$ or $a^2 + a + a + 1$ (Expansion must be correct but may not be simplified)  A1 for statement that $a^2 + 2a + 1 \neq a^2 + 1$ (eg. they are different)  OR  M1 for correct substitution of any integer into both expressions eg. $(2 + 1)^2$ and $2^2 + 1$ |  |  |  |  |  |

|          | 1MA1 Practice papers Set 6: Paper 1H (Regular) mark scheme – Version 1.0 |             |      |  |  |  |  |  |  |  |
|----------|--|-------------|------|--|--|--|--|--|--|--|
| Question | Working  | Answer      | Mark | Notes  |  |  |  |  |  |  |
|          | Solves $a^2 + 2a + 1 =$<br>$a^2 + 1$ to get $a = 0$ and                  |             |      | A1 for correct evaluation of both expressions and statement that they are not equal (eg. they are different) |  |  |  |  |  |  |
|          | indicates a contradiction  |             |      | OR   |  |  |  |  |  |  |
|          |  |             |      | $M1(a+1)^2 = a^2 + 2a + 1$ or $a^2 + a + a + 1$  |  |  |  |  |  |  |
|          |  |             |      | A1 Solves $a^2 + 2a + 1 = a^2 + 1$ to get $a = 0$ and indicates a contradiction                              |  |  |  |  |  |  |
| (b)      | $a^2 + 2a + 1 + b^2 + 2b$  | AG          | 3    | M1 use of Pythagoras in either triangle – <b>one</b> of  |  |  |  |  |  |  |
|          | $ \begin{array}{c} +1 \\ = c^2 + 2c \end{array} $                        |             |      | $a^2 + b^2 = c^2$ or $(a+1)^2 + (b+1)^2 = (c+1)^2$   |  |  |  |  |  |  |
|          | $-c + 2c$ $+ 1$ But $a^2 + b^2 = c^2$                                    |             |      | A1 $a^2 + 2a + 1 + b^2 + 2b + 1 = c^2 + 2c + 1$ and $a^2 + b^2 = c^2$  |  |  |  |  |  |  |
|          |  |             |      | A1 $2a + 2b + 1 = 2c$  |  |  |  |  |  |  |
|          | So 2a + 2b + 1 = 2c  |             |      |  |  |  |  |  |  |  |
| (c)      | LHS is odd, RHS is even  | Explanation | 1    | B1 eg. LHS is odd, RHS is even <b>or</b> one side is odd and the other side is even oe                       |  |  |  |  |  |  |

## National performance data from Results Plus

|    | Original source of questions |       |         | ons |                                       |       | Mean score of students achieving grade: |            |      |      |      |      |      |  |
|----|------------------------------|-------|---------|-----|---------------------------------------|-------|---|------------|------|------|------|------|------|--|
|    |                              |       | Session |     |                                       | Max   |   |            |      |      |      |      |      |  |
| Qn | Spec                         | Paper | YYMM    | Qn  | Topic                                 | score | ALL                                     | <b>A</b> * | Α    | В    | С    | D    | Е    |  |
| 1  | 2540                         | 1F    | 0811    | Q25 | Constructions                         | 2     | 0.15                                    |            |      |      | 0.36 | 0.12 | 0.05 |  |
| 2  | 1380                         | 1F    | 1106    | Q27 | Ratio                                 | 3     | 0.27                                    |            |      |      | 0.75 | 0.29 | 0.10 |  |
| 3  | 1380                         | 1F    | 1011    | Q21 | Graphs of linear equations            | 3     | 0.59                                    |            |      |      | 1.45 | 0.48 | 0.12 |  |
| 4  | 5MM1                         | 1H    | 1411    | Q09 | Solve linear equations                | 4     | 2.07                                    | 3.57       | 2.93 | 2.47 | 1.52 | 0.77 | 0.20 |  |
| 5  | 1MA0                         | 1H    | 1411    | Q07 | Perimeter and area                    | 4     | 1.38                                    | 3.85       | 3.56 | 2.93 | 1.51 | 0.68 | 0.29 |  |
| 6  | 1380                         | 1H    | 906     | Q10 | Compound measures                     | 3     | 2.20                                    | 2.86       | 2.57 | 2.20 | 1.88 | 1.49 | 0.99 |  |
| 7  | 5MM1                         | 1H    | 1311    | Q13 | Fractions                             | 5     | 2.87                                    | 4.72       | 4.20 | 3.32 | 2.20 | 0.93 | 0.12 |  |
| 8  | 1387                         | 31    | 0711    | Q13 | Ratio                                 | 5     | 2.48                                    |            |      | 4.30 | 3.07 | 1.65 | 0.78 |  |
| 9  | 5MM1                         | 1H    | 1211    | Q15 | Solve quadratic equations             | 5     | 2.32                                    | 4.94       | 4.63 | 3.62 | 1.47 | 0.47 | 0.00 |  |
| 10 | 5MM1                         | 1H    | 1206    | Q20 | Selection with or without replacement | 4     | 1.68                                    | 3.65       | 2.88 | 1.74 | 0.51 | 0.17 | 0.00 |  |
| 11 | 5MM1                         | 1H    | 1111    | Q11 | Angles                                | 2     | 0.80                                    | 1.50       | 1.73 | 0.98 | 0.18 | 0.00 | 0.00 |  |
| 12 | 5MM1                         | 1H    | 1411    | Q17 | Index laws                            | 6     | 2.32                                    | 5.70       | 3.87 | 2.33 | 1.30 | 0.52 | 0.10 |  |
| 13 | 1MA0                         | 1H    | 1611    | Q18 | Box plots                             | 4     | Data to be added January 2017           |            |      |      |      |      |      |  |
| 14 | 1MA0                         | 1H    | 1303    | Q16 | Standard form                         | 4     | 1.18                                    | 3.27       | 2.48 | 1.68 | 0.91 | 0.35 | 0.09 |  |
| 15 | 5MM1                         | 1H    | 1411    | Q23 | Vectors                               | 4     | 1.10                                    | 3.85       | 2.12 | 1.03 | 0.17 | 0.03 | 0.00 |  |
| 16 | 5MM1                         | 1H    | 1211    | Q23 | Venn diagrams                         | 4     | 1.03                                    | 1.82       | 1.33 | 0.87 | 0.57 | 0.40 | 0.00 |  |
| 17 | 5MM1                         | 1H    | 1411    | Q22 | Simplify algebraic fractions          | 3     | 0.70                                    | 2.96       | 1.68 | 0.37 | 0.02 | 0.00 | 0.00 |  |
| 18 | 1380                         | 1H    | 1111    | Q19 | Circle theorems                       | 4     | 0.93                                    | 3.21       | 2.33 | 1.39 | 0.55 | 0.18 | 0.11 |  |
| 19 | 1380                         | 1H    | 1203    | Q20 | Graphs of trigonometric functions     | 3     | 0.67                                    | 2.14       | 1.26 | 0.70 | 0.38 | 0.23 | 0.19 |  |
| 20 | 1MA0                         | 1H    | 1411    | Q21 | Surds                                 | 2     | 0.28                                    | 1.85       | 1.58 | 0.83 | 0.16 | 0.03 | 0.01 |  |
| 21 | 1380                         | 1H    | 1203    | Q24 | Algebraic proof                       | 6     | 0.54                                    | 2.55       | 1.27 | 0.56 | 0.16 | 0.03 | 0.02 |  |
|    |                              |       |         |     | TOTAL                                 | 80    |   |            |      |      |      |      |      |  |