GCSE Mathematics (1MA1) – Aiming for 4 Paper 3F (Set 4)

Spring 2022 student-friendly mark scheme

Please note that this mark scheme is not the one used by examiners for making scripts. It is intended more as a guide to good practice, indicating where marks are given for correct answers. As such, it doesn't show follow-through marks (marks that are awarded despite errors being made) or special cases.

It should also be noted that for many questions, there may be alternative methods of finding correct solutions that are not shown here – they will be covered in the formal mark scheme.

NOTES ON MARKING PRINCIPLES

Guidance on the use of codes within this mark scheme

M1 – method mark. This mark is generally given for an appropriate method in the context of the question. This mark is given for showing your working and may be awarded even if working is incorrect.

P1 – process mark. This mark is generally given for setting up an appropriate process to find a solution in the context of the question.

A1 – accuracy mark. This mark is generally given for a correct answer following correct working.

B1 – working mark. This mark is usually given when working and the answer cannot easily be separated.

C1 – communication mark. This mark is given for explaining your answer or giving a conclusion in context supported by your working.

Some questions require all working to be shown; in such questions, no marks will be given for an answer with no working (even if it is a correct answer).

Question 1 (Total 3 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| | $2 \times 600 = 1200$ $7 \times 120 = 840$ $2 \times 250 = 500$ | M1 | This mark is given for a method to find the cost of at least one item |
| | 1200 + 840 + 500 | M1 | This mark is given for a method to find the total cost |
| | 2540 (2540 > 2500) | A1 | This mark is given for the correct answer only |

Question 2 (Total 1 mark)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| | 10 45 | B1 | This mark is given for the correct answer only |

Question 3 (Total 2 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| (a) | 5 | B1 | This mark is given for the correct answer only |
| (b) | 5 and 6 | B1 | This mark is given for the correct answer only |

Question 4 (Total 3 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| | $200 \div 25 = 8$ | P1 | This mark is given for a process to find the number of boxes of tiles |
| | 8 × 9.75 | P1 | This mark is given for a process to find the total cost of the boxes of tiles |
| | 78 | A1 | This mark is given for a correct answer only |

Question 5 (Total 1 mark)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| | -6, -4, -3, 0, 1, 2, 7 | B1 | This mark is given for the correct answer only |

Question 6 (Total 1 mark)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| | 0.45 | B1 | This mark is given for the correct answer only |

Question 7 (Total 1 mark)

| Part | Working or answer an examiner might expect to see | | Notes |
|------|---|----|--|
| | $\frac{40}{100}$ | B1 | This mark is given for the correct answer only |

Question 8 (Total 1 mark)

| Part | Working an or answer examiner might expect to see | Mark | Notes |
|------|---|------|--|
| | 6.25 | B1 | This mark is given for the correct answer only |

Question 9 (Total 1 mark)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| | | B1 | This mark is given for a correct answer only |

Question 10 (Total 3 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|--|------|--|
| (a) | 80 | B1 | This mark is given for the correct answer read off the graph |
| (b) | 8 | B1 | This mark is given for the correct answer only |
| (c) | For example: Yes, because 27 is greater than 7 Yes, because the drop is 20 more Yes, the gradient is steeper (in the first 3 minutes) and is then less steep (in the last 3 minutes) Yes, because the drop is 20 less in the last 2 minutes | C1 | This mark is given for a conclusion and reason |

Question 11 (Total 1 mark)

| Part | Working or answer an examiner might expect to see | | Notes |
|------|---|----|--|
| | Any two from 1, 5, 7, 35 | B1 | This mark is given for two correct answers |

Question 12 (Total 3 marks)

| Part | Working or answer an examiner might expect to see | | | | | Mark | Notes |
|------|---|----------------------------|-----------------------------|---------------------|--------------------------------|------|--|
| | Plastic Not plastic Total | Red 8 12 | Blue 5 14 | Black | Total 32 56 | B1 | This mark is given for the given values correctly placed in the table |
| | Plastic Not plastic Total | Red 4 8 12 | Blue 5 9 14 | Black 30 | Total 32 24 56 | B1 | This mark is given for at least one more value found For example: $4 + 8 = 12$, $5 + 9 = 14$, 32 + 24 = 56, $12 + 14 + 30 = 56$ |
| | Plastic Not plastic Total | Red 4 8 12 | Blue 5 9 14 | Black 23 7 30 | Total 32 24 56 | B1 | This mark is given for a fully correct table |

Question 13 (Total 2 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|---|
| | $\frac{12}{16}$ | M1 | This mark is given for a method to find the number of shaded squares as a fraction of the total |
| | $\frac{3}{4}$ | A1 | This mark is given for the correct answer only |

Question 14 (Total 1 mark)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| | 8 | B1 | This mark is given for the correct answer only |

Question 15 (Total 2 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| | EJ, EK, FJ, FK, GJ, GK | B2 | These marks are given for a fully correct list with no repeats (B1 is given for at least four correct outcomes) |

Question 16 (Total 4 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| (a) | 5x + y | M1 | This mark is given for $5x$ or y seen |
| | | A1 | This mark is given for the correct answer only |
| (b) | 5p = 15 | M1 | This mark is given for subtracting 7 from both sides of the equation |
| | 3 | A1 | This mark is given for the correct answer only |

Question 17 (Total 4 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|---|
| (a) | $\frac{5}{5+4+2}$ | M1 | This mark is given for a method to find the probability where |
| | | | $\frac{5}{n}$ seen $(n > 5)$ or |
| | | | $\frac{m}{11} \operatorname{seen} (m < 11)$ |
| | $\frac{5}{11}$ | A1 | This mark is given for the correct answer only |
| (b) | 1 - 0.3 = 0.7 | B1 | This mark is given for the correct answer only |

Question 18 (Total 3 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| | 300 ÷ 4.85 | P1 | This mark is given for a process to find the number of books that can be bought |
| | 61.8 | A1 | This mark is given for a correct non- integer answer |
| | 61 | A1 | This mark is given for the correctly rounding down to the nearest whole number |

Question 19 (Total 1 mark)

| Part | Working an or answer examiner might expect to see | Mark | Notes |
|------|---|------|--|
| | 11 | B1 | This mark is given for the correct answer only |

Question 20 (Total 2 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|---|
| | For example: 6 cm 6 cm | M1 | This mark is given for one line drawn with length 6 cm |
| | 8 cm | A1 | This mark is given for an isosceles triangle correctly drawn |

Question 21 (Total 5 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|--|------|--|
| (a) | Shop A: $30 \div 4 = 7.5$ so 8 packets needed Shop B: $30 \div 6 = 5$, so 5 packets needed | P1 | This mark is given for a method to find the number of packets of batteries needed from each shop |
| | Shop A: 8 × 1.60 = 12.80 Shop B: 5 × 2.70 = 13.50 | P1 | This mark is given for a method to find the cost of the packets of batteries from one shop |
| | | P1 | This mark is given for a method to find the cost of the packets of batteries from both shops |
| | Harry should buy batteries from Shop A | C1 | This mark is given for a valid conclusion following correct working |
| (b) | For example: No, since A is 12 and B is 13.50 No, since A is just 80p less and B is the same. No, since A is less and B has not changed. No, since A is 1.50 less No, since 40p is less than 45p | C1 | This mark is given for a valid conclusion following correct working |

Question 22 (Total 4 marks)

| Part | Working an or answer examiner might expect to see | Mark | Notes |
|------|---|------|--|
| (a) | 25 | A1 | This mark is given for the correct answer only |
| (b) | For example: Simon; he uses more trials Simon; he does 10 times more Simon, since 100 > 10 | C1 | This mark is given for a valid conclusion with a correct reason |

Question 23 (Total 1 mark)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| | $\frac{300}{100} = 3$ | B1 | This mark is given for the correct answer only |

Question 24 (Total 3 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| (a) | 4 <i>ab</i> | B1 | This mark is given for the correct answer only |
| (b) | 4x - x = 3x, 3 + 5 = 8 | M1 | This mark is given for a method to collect terms |
| | 3x+8 | A1 | This mark is given for the correct answer only |

Question 25 (Total 2 marks)

| Part | Working an or answer examiner might | Mark | Notes |
|------|-------------------------------------|------|--|
| | expect to see | | |
| | 10 + 7 + 4 + 5 + (10 - 4) + (7 - 5) | M1 | This mark is given for a method to find |
| | = 26 + 6 + 2 | | the length of the perimeter |
| | 34 | A1 | This mark is given for the correct answer only |

Question 26 (Total 3 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|---|
| (a) | 196 - 60 - 60 - 60 = 16 | P1 | This mark is given for a process to find 196 minutes in hours and minutes |
| | 3 hours and 16 minutes | A1 | This mark is given for the correct answer only |
| (b) | $\frac{x}{2}$ | B1 | This mark is given for a correct answer only |

Question 27 (Total 1 mark)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|---|
| | For example: The angles do not add to 360° The angles only add to 260° She is missing a 100° angle | C1 | This mark is given for a correct explanation |
| | (At least) one of the angles has been measured incorrectly | | |

Question 28 (Total 4 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| (a) | $\frac{300}{10} = 30$ | B1 | This mark is given for a correct answer only |
| (b) | $3.5 \times 12 = 42$ | B1 | This mark is given for a correct answer only |
| (c) | $\frac{1}{20}$ | B1 | This mark is given for a correct answer only (accept 0.05) |

Question 29 (Total 2 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|---------|---|------|--|
| (a)(i) | 20, 15 | B1 | This mark is given for a correct answer only |
| (a)(ii) | 45, 40, 35, 30, 25, 20, 15, 10, 5, 0, -5 11th term | B1 | This mark is given for a correct answer only |

| (b) | $(4 \times 9) + 3 = 39$ | B1 | This mark is given for a correct answer only |
|-----|-------------------------|----|--|
| | | | J |

Question 30 (Total 3 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|--|------|---|
| | $\frac{13}{15} \times 600 = 520$ or $1 - \frac{13}{15} = \frac{2}{15}$ | P1 | This mark is given for a first step of a process to find the cost of the land |
| | 600 - 520 or $\frac{2}{15} \times 600$ | P1 | This mark is given for a full process to find the cost of the land |
| | 80 | A1 | This mark is given for the correct answer only |

| | · · · | | |
|------|---|------|--|
| Part | Working or answer an examiner might expect to see | Mark | Notes |
| (a) | (100, 18) | B1 | This mark is given for the correct answer only |
| (b) | Carbon 12 (mg/m ²) 10 4 4 4 4 4 4 4 4 4 4 4 4 4 | M1 | This mark is given for a method to read off a line of best fit or to find a point on the grid at $(370, y)$, where y is in the range 12.8 to 14.6 |
| | 13.7 | A1 | This mark is given for a correct answer in the range 12.8 to 14.6 |
| (c) | For example: No, this point can be disregarded from the general trend | C1 | This mark is given for a correct reason |

Question 31 (Total 4 marks)

Question 32 (Total 3 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|---|
| | 360 - 130 - 95 - 65 = 70 | M1 | This mark is given for a method to find the missing angle of the quadrilateral |
| | 180 – 70 | M1 | This mark is given for a method to find the angle y |
| | 110 | A1 | This mark is given for the correct answer only |

Question 33 (Total 4 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|--|
| (a) | 450 000 | B1 | This mark is given for a correct answer only |
| (b) | 7×10^{-3} | B1 | This mark is given for a correct answer only |
| (c) | 4200 + 530 = 4730 | M1 | This mark is given for a method to find the calculation as an ordinary number |
| | 4.73×10^{3} | A1 | This mark is given for the correct answer only |

Question 34 (Total 4 marks)

| Part | Working or answer an examiner might expect to see | Mark | Notes |
|------|---|------|---|
| | $3 \times 80 = 240$ | P1 | This mark is given for a process to find the total amount of money shared |
| | 240 - 100 - 65 = 75 | P1 | This mark is given for a process to find out how much money Carl has |
| | $75 - (3 \times 5) - 20 = 40$ | P1 | This mark is given for a process to find out how much money Carl has in ten pound notes |
| | $40 \div 10 = 4$ | A1 | This mark is given for the correct answer only |

| | Aiming for 4 - Paper 3F | | | | | Edexcel averages: mean scores of students who achieved grade | | | | | | |
|----------|--|-------|--------|------|------|--|-----------------|--------------|------|---------------|-------------|--|
| | | Mean | Max | Mean | | - | | | | | - | |
| Question | Skill tested | score | score | % | ALL | 5 | 4 | 3 | 2 | 1 | U | |
| 1 | Apply four operations | 2.90 | 3 | 97 | 2.90 | 2.98 | 2.97 | 2.95 | 2.91 | 2.69 | 1.78 | |
| | Units of mass, length, time, money and | | | | | | | | | | | |
| • | other measures (including standard | | | | | | o o | - | | | | |
| 2 | compound measures) | 0.93 | 1 | 93 | 0.93 | 0.98 | 0.97 | 0.95 | 0.92 | 0.83 | 0.68 | |
| 3 | Vertical line charts | 1.85 | 2 | 93 | 1.85 | 1.93 | 1.91 | 1.88 | 1.79 | 1.60 | 1.03 | |
| 4 | Apply four operations | 2.77 | 3 | 92 | 2.77 | 2.97 | 2.96 | 2.89 | 2.65 | 1.82 | 0.57 | |
| 5 | Order numbers | 0.92 | 1 | 92 | 0.92 | 0.97 | 0.96 | 0.94 | 0.90 | 0.78 | 0.51 | |
| • | Percentages and problems involving | | | ~~ | | o o - | o o | | | ~ | A 4A | |
| 6 | percentage change | 0.90 | 1 | 90 | 0.90 | 0.97 | 0.97 | 0.94 | 0.89 | 0.75 | 0.49 | |
| 7 | Percentages and problems involving | 0.00 | 4 | 00 | 0.00 | 0.00 | 0.07 | 0.02 | 0.00 | 0.64 | 0.00 | |
| 7 | percentage change | 0.89 | | 89 | 0.89 | 0.98 | 0.97 | 0.93 | 0.83 | 0.64 | 0.29 | |
| ð | Roois and powers | 0.88 | .1 | δQ | 0.88 | 0.98 | 0.96 | 0.91 | 0.81 | 0.65 | 0.31 | |
| 0 | Use standard units of measure and | 0.88 | 1 | 00 | 0.88 | 0.07 | 0.03 | 0.00 | 0.86 | 0.80 | 0 66 | |
| 9 10 | Crapha of functions in real contexts | 0.00 | ו ס | 00 | 0.00 | 0.97 | 0.83 | 0.90 | 0.00 | 0.00 | 1 20 | |
| 10 | Brimes, festers, multiples | 2.00 | ა ⊿ | 00 | 2.50 | 2.79 | 2.12 | 2.03 | 2.40 | 2.10 | 1.30 | |
| 11 | Primes, lactors, multiples | 0.80 | | 80 | 0.86 | 0.97 | 0.95 | 0.91 | 0.83 | | 0.31 | |
| 12 | I wo way tables | 2.53 | 3 | 84 | 2.53 | 2.92 | 2.85 | 2.75 | 2.44 | 1.65 | 0.73 | |
| 13 | One quantity as a fraction of another | 1.66 | 2 | 83 | 1.66 | 1.90 | 1.85 | 1./3 | 1.51 | 1.09 | 0.48 | |
| 14 | Calculate exactly with fractions | 0.82 | 1 | 82 | 0.82 | 0.99 | 0.95 | 0.87 | 0.70 | 0.50 | 0.27 | |
| 45 | Listing strategies/Product rule for | 4.04 | 0 | 04 | 1.01 | 1.00 | 4.00 | 4 70 | 4 54 | 1 00 | 0.50 | |
| 15 | | 1.01 | 2 | 81 | 1.61 | 1.89 | 1.86 | 1.76 | 1.51 | 1.03 | 0.52 | |
| 16 | Solve linear equations | 3.16 | 4 | 79 | 3.16 | 3.80 | 3.66 | 3.37 | 2.66 | 1.62 | 0.58 | |
| 17 | Probabilities of an exhaustive set of | 2.26 | 2 | 70 | 2.26 | 2.01 | 0.70 | 0.51 | 1 07 | 1 10 | 0.20 | |
| 17 | Units of mass length time money and | 2.30 | 3 | 19 | 2.30 | 2.91 | 2.70 | 2.31 | 1.97 | 1.19 | 0.30 | |
| | other measures (including standard | | | | | | | | | | | |
| 18 | compound measures) | 2 35 | 3 | 78 | 2 35 | 2 93 | 2 78 | 2 58 | 2 17 | 1 44 | 0.68 | |
| | Fractions, decimals and percentages as | 2.00 | Ū | | 2.00 | 2.00 | 2.10 | 2.00 | | | 0.00 | |
| 19 | operators | 0.77 | 1 | 77 | 0.77 | 0.98 | 0.94 | 0.86 | 0.68 | 0.49 | 0.23 | |
| 20 | Constructions and loci | 1.50 | 2 | 75 | 1.50 | 1.84 | 1.73 | 1.57 | 1.29 | 0.88 | 0.36 | |
| 21 | Apply four operations | 3.61 | 5 | 72 | 3.61 | 4.30 | 4.15 | 3.84 | 3.12 | 1.87 | 0.43 | |
| | Samples and theoretical probability | 0.0. | • | • = | | | | | •••= | | | |
| 22 | distributions | 1.33 | 2 | 67 | 1.33 | 1.65 | 1.51 | 1.38 | 1.16 | 0.79 | 0.27 | |
| | Change between standard units and | | | | | | | | | | | |
| 23 | compound units | 0.66 | 1 | 66 | 0.66 | 0.91 | 0.79 | 0.68 | 0.55 | 0.40 | 0.32 | |
| 24 | Simplify and manipulate algebraic | 1.96 | 3 | 65 | 1.96 | 2.82 | 2.50 | 2.15 | 1.74 | 1.25 | 0.68 | |

| 1.75 1.73 1.56 2.00 1.45 1.86 1.67 | 3 3 4 3 4 3 4 4 | 59 58 52 50 48 47 42 | 0.59 1.75 1.73 1.56 2.00 1.45 1.86 1.67 | 0.89 2.23 2.51 2.90 2.97 2.73 3.15 3.14 | 0.78 1.95 2.11 2.54 2.69 2.18 2.52 2.52 | 0.68 1.78 1.75 1.93 2.25 1.47 2.04 1.71 | 0.49 1.61 1.42 1.01 1.70 0.83 1.60 0.94 | 0.26 1.37 1.12 0.42 1.02 0.53 1.12 0.57 | 0.09 0.91 0.62 0.11 0.51 0.16 0.55 0.24 |
|--|--------------------------------------|--|--|--|--|--|--|--|--|
| 1.75 1.73 1.56 2.00 1.45 1.86 | 3 3 3 4 3 4 3 4 | 59 58 52 50 48 47 | 0.59 1.75 1.73 1.56 2.00 1.45 1.86 | 0.89 2.23 2.51 2.90 2.97 2.73 3.15 | 0.78 1.95 2.11 2.54 2.69 2.18 2.52 | 0.68 1.78 1.75 1.93 2.25 1.47 2.04 | 0.49 1.61 1.42 1.01 1.70 0.83 1.60 | 0.26 1.37 1.12 0.42 1.02 0.53 1.12 | 0.09 0.91 0.62 0.11 0.51 0.16 0.55 |
| 1.75 1.73 1.56 2.00 1.45 | 3 3 3 4 3 | 59 58 58 52 50 48 | 0.59 1.75 1.73 1.56 2.00 1.45 | 0.89 2.23 2.51 2.90 2.97 2.73 | 0.78 1.95 2.11 2.54 2.69 2.18 | 0.68 1.78 1.75 1.93 2.25 1.47 | 0.49 1.61 1.42 1.01 1.70 0.83 | 0.26 1.37 1.12 0.42 1.02 0.53 | 0.09 0.91 0.62 0.11 0.51 0.16 |
| 1.75 1.73 1.56 2.00 | 3 3 3 4 | 59 58 58 52 50 | 0.59 1.75 1.73 1.56 2.00 | 0.89 2.23 2.51 2.90 2.97 | 0.78 1.95 2.11 2.54 2.69 | 0.68 1.78 1.75 1.93 2.25 | 0.49 1.61 1.42 1.01 1.70 | 0.26 1.37 1.12 0.42 1.02 | 0.09 0.91 0.62 0.11 0.51 |
| 1.75 1.73 1.56 | 3 3 3 | 59 58 58 52 | 0.59 1.75 1.73 1.56 | 0.89 2.23 2.51 2.90 | 0.78 1.95 2.11 2.54 | 0.68 1.78 1.75 1.93 | 0.49 1.61 1.42 1.01 | 0.26 1.37 1.12 0.42 | 0.09 0.91 0.62 0.11 |
| 1.75 1.73 | 3 | 59 58 58 | 0.59 1.75 1.73 | 0.89 2.23 2.51 | 0.78 1.95 2.11 | 0.68 1.78 1.75 | 0.49 1.61 1.42 | 0.26 1.37 1.12 | 0.09 0.91 0.62 |
| 1.75 | 3 | 59 58 | 0.59 1.75 | 0.89 2.23 | 0.78 1.95 | 0.68 1.78 | 0.49 1.61 | 0.26 1.37 | 0.09 0.91 |
| | 1 | 59 | 0.59 | 0.89 | 0.78 | 0.68 | 0.49 | 0.26 | 0.09 |
| 0.59 | 1 | 50 | | | | | | | |
| 1.86 | 3 | 62 | 1.86 | 2.59 | 2.16 | 1.95 | 1.75 | 1.39 | 0.82 |
| 1.23 | 2 | 65 | 1.29 | 1.69 | 1.53 | 1.34 | 1.07 | 0.70 | 0.54 |
| | 1.29 | 1.29 2 | 1.29 2 65 | 1.29 2 65 1.29 | 1.29 2 65 1.29 1.69 | 1.29 2 65 1.29 1.69 1.53 | 1.29 2 05 1.29 1.09 1.55 1.54 | 1.29 2 05 1.29 1.09 1.55 1.54 1.07 | 1.29 2 03 1.29 1.09 1.05 1.04 1.07 0.70 |

Aiming for 4 – Set 4 (Spring 2022)

Suggested grade boundaries

| | Мах | 5 | 4 | 3 | 2 | 1 |
|-------|-----|-----|-----|-----|-----|----|
| 1F | 80 | 69 | 62 | 53 | 42 | 32 |
| 2F | 80 | 70 | 63 | 54 | 41 | 26 |
| 3F | 80 | 69 | 63 | 55 | 43 | 27 |
| Total | 240 | 208 | 188 | 162 | 126 | 85 |

Grade boundaries are based on the average performance data for students answering these questions who gained grades 1-5 in the November 2020 & 2021 GCSE Mathematics examinations at Foundation tier.

Students did not answer these questions as 90-minute tests, of course; so there is some scope for adjustment. These boundaries are for guidance only.