Mark Scheme

GCSE Resit · Predicted Paper 1F · November 2026 · Paper reference DNEP/EDX1FN26 · Total 80 marks

Answers and marking points written by DNEP Education, set out like the board mark schemes.

Question 1 · Number — 1 mark

35% B1

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Question 2 · Number — 1 mark

17 B1

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Question 3 · Number — 1 mark

6.5 B1

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Question 4 · Measures — 1 mark

3200 g B1

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Question 5 · Algebra — 1 mark

4p B1

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Question 6 · Money and ratio — 4 marks

£6.70

P1 a correct cost for 10 pens, e.g. 2 packs and 2 singles, or 3 packs

P1 $2 \times 2.60 = 5.20$ and $2 \times 0.75 = 1.50$

P1 compares with $3 \times 2.60 = 7.80$ (or another option)

A1 £6.70

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Question 7 · Graphs — 3 marks

(a) (3, 4) B1

(b) B plotted at (−2, 1) B1

(c) (4, 3) B1

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Question 8 · Statistics — 5 marks

(a) 24 B1

(b) 10 (Wednesday 14) B1

(c) 2 full circles and a quarter of a circle B1

(d) 5/19 M1 20/(24 + 20 + 14 + 18) = 20/76; A1 5/19 (ft their values)

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Question 9 · Geometry and measures — 2 marks

(a) 133° B1

(b) angles on a straight line add up to 180° B1

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Question 10 · Algebra — 3 marks

(a) 13 B1
(b) 7 B1
(c) 3n − 5 B1

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Question 11 · Probability — 4 marks

(a) F only 16; both 6; T only 9; outside 9
B2 all correct; B1 two or three regions correct
(b) 9/40 B1 (ft their diagram)
(c) 25/40 = 5/8 B1 (ft)

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Question 12 · Money and ratio — 3 marks

No — he does not have enough milk.
P1 scale factor 15 ÷ 6 = 2.5 (or works with 3 people = half)
P1 750 g flour, 5 eggs, 1125 ml milk (at least two correct)
C1 No, with milk 1125 ml > 1000 ml (1 litre) identified

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Question 13 · Geometry and measures — 2 marks

Triangle with vertices (−1, −1), (−4, −1), (−1, −3)
B2 correct; B1 a 180° rotation about another centre, or 2 vertices correct

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Question 14 · Algebra — 4 marks

10 years
M1 Ben = x + 4 and Cal = 2(x + 4)
M1 x + x + 4 + 2(x + 4) = 52
M1 4x + 12 = 52
A1 x = 10

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Question 15 · Fractions, decimals and percentages — 3 marks

30%
P1 profit per box £1.20 (or total profit £24)
P1 1.20 ÷ 4 (× 100) or 24 ÷ 80 (× 100)
A1 30%

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Question 16 · Number — 3 marks

(a) 10.58 M1 a complete method (e.g. 46 × 23 = 1058); A1 10.58
(b) 42 B1

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Question 17 · Fractions, decimals and percentages — 4 marks

(a) M1 11/4 + 11/6 with a common denominator, e.g. 33/12 + 22/12; C1
55/12 = 4 7/12 shown
(b) 4 M1 3/2 × 8/3; A1 4

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Question 18 · Number **3 marks**

(a) $2^2 \times 3 \times 5$ (or $2 \times 2 \times 3 \times 5$) B2; B1 a correct factor tree or ladder with one slip
(b) 12 B1 (ft their (a))

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Question 19 · Probability **5 marks**

(a) Year 10: 90 (walks 40, does not walk 50); Year 11: 110 (walks 44, does not walk 66)
B3 all correct; B2 at least 4 correct; B1 Year 11 = 110 or $2/5 \times 110 = 44$
(b) $44/84 = 11/21$ M1 $44/(40 + 44)$; A1 44/84 or 11/21 (ft their tree)

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Question 20 · Money and ratio **5 marks**

32.5%
P1 $200 \div 8 = 25$
P1 juniors 75 and seniors 125
P1 $1/5 \times 75 = 15$ or $40\% \times 125 = 50$
P1 $15 + 50 = 65$ swimmers
A1 $65/200 \times 100 = 32.5\%$

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Question 21 · Number **3 marks**

(a) 400 M1 $50 \times 4 \div 0.5$ (rounding each number to 1 significant figure); A1 400
(b) Overestimate, because 49.6 and 3.92 were rounded up and 0.51 was rounded down C1

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Question 22 · Money and ratio **4 marks**

(a) 120 km/h M1 $150 \div 1.25$; A1 120
(b) Second train (210 km) M1 $90 \times 2\ 1/3$; C1 210 km so the second train travels further

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Question 23 · Geometry and measures **4 marks**

(a) M1 exterior angle $360 \div 6 = 60$, or $(6 - 2) \times 180 = 720$; C1 $180 - 60 = 120$, or $720 \div 6 = 120$
(b) 150° M1 $360 - 120 - 90$; A1 150

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Question 24 · Geometry and measures **2 marks**

Correct angle bisector (25° ± 2° from each arm) with correct arcs
M1 arcs of equal radius on BA and BC with intersecting arcs; A1 correct bisector with all arcs

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Question 25 · Algebra **2 marks**

$4n + 3$
M1 $4n + k$ ($k \neq 3$) or a common difference of 4 seen
A1 $4n + 3$

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Question 26 · Algebra — 3 marks

(a) $-1, 0, 1, 2, 3$ B1

(b) $x < 4$ M1 $5x < 20$; A1 $x < 4$

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Question 27 · Number — 2 marks

(a) 5.2×10^{-4} B1

(b) 1.5×10^{7} B1

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Question 28 · Algebra — 2 marks

$x = 3$ and $x = 4$

M1 $(x - 3)(x - 4)$ (or $\pm(x \pm 3)(x \pm 4)$)

A1 $x = 3$ and $x = 4$

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