Mark Scheme

GCSE Resit · Predicted Paper 1 · November 2026 · Paper reference DNEP/OCR1FN26 · Total 100 marks

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

Question 1 · Statistics — 6 marks

(a) 18 B1
(b) bar of height 14 for Thursday B1
(c) 80 M1 16 + 18 + 10 + 14 + 22; A1 80
(d) 11/40 M1 22/80 (ft their total); A1 11/40

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Question 2 · Number — 4 marks

(a) 17 B1
(b) 9 or 36 B1
(c) 27 B1
(d) 12 or 30 B1

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Question 3 · Fractions, decimals and percentages — 3 marks

3/4 = 0.75 = 75%; 1/5 = 0.2 = 20%; 7/20 = 0.35 = 35%
B1 for each correct row

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Question 4 · Geometry and measures — 3 marks

(a) 57° B1; angles in a triangle add up to 180° B1
(b) two obtuse angles add up to more than 180°, so there is nothing left for the third angle B1

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Question 5 · Money and ratio — 3 marks

900 g
M1 2.4 kg = 2400 g
M1 2400 ÷ 8 (= 300)
A1 900

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Question 6 · Number — 3 marks

(a) 3.16 M1 √57.49 = 7.58... or 3.159...; A1 3.16
(b) (4 + 6) × (3 − 1) = 20 B1

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Question 7 · Algebra — 4 marks

(a) 2x + 7y B1
(b) 10a + 15 B1
(c) 4(3m − 2) B1
(d) t^7 B1

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Question 8 · Statistics — 3 marks

(a) 6 B1
(b) 6 M1 5 × 7 = 35 and 35 − 29; A1 6

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Question 9 · Money and ratio **4 marks**

No — he does not have enough butter.
M1 multiplier 20 ÷ 8 = 2.5
A1 two of: butter 300 g, sugar 150 g, flour 450 g
A1 all three correct
C1 No, with butter (300 g > 250 g) identified
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Question 10 · Algebra **5 marks**

(a) 12x + 15 = 81 B2; B1 for 12x + 15 or an equivalent with one error
(b) £5.50 M1 12x = 66; A1 5.5(0)
(c) 6 visits B1 (ft their x)
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Question 11 · Money and ratio **6 marks**

(a) £570.40 M1 37 × 12.40 = 458.80; M1 6 × 12.40 × 1.5 = 111.60; A1 570.40
(b) £12.83 M1 12.40 × 1.035 (or 3.5% = 0.434); A1 12.834; A1 12.83 (correct rounding)
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Question 12 · Money and ratio **5 marks**

(a) 24 km/h M1 1 hour 36 minutes = 1.6 hours; M1 38.4 ÷ 1.6; A1 24
(b) 2 hours 15 minutes B1 (ft their (a))
(c) she keeps the same average speed (e.g. no stops, same conditions) B1
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Question 13 · Probability **5 marks**

(a) Dog only 20; both 8; Cat only 11; outside 11
B3 all correct; B2 three correct; B1 both = 8 with one other correct
(b) 11/50 B1 (ft)
(c) 8/19 B1 (ft)
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Question 14 · Geometry and measures **3 marks**

Enlargement, scale factor 2, centre (1, 1)
B1 enlargement; B1 scale factor 2; B1 centre (1, 1)
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Question 15 · Algebra **3 marks**

(a) (x + 5)(x − 4) B2; B1 (x + a)(x + b) with ab = −20 or a + b = 1
(b) x = −5, x = 4 B1 (ft)
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Question 16 · Number **4 marks**

8:51 am
M1 lists multiples of 12 and 18, or prime factors $2^2 \times 3$ and 2×3^2
A1 LCM = 36
M1 8:15 + 36 minutes
A1 8:51 am
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Question 17 · Geometry and measures **4 marks**

74.1 cm²
M1 rectangle 10 × 6 = 60
M1 semicircle radius 3
M1 ½ × π × 3² (= 14.13…)
A1 74.1
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Question 18 · Statistics **5 marks**

(a) 37.3 minutes M1 midpoints 10, 30, 50, 70; M1 Σfx = 1120; M1 1120 ÷ 30; A1 37.3
(b) the exact times are not known — the midpoint of each group is used B1
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Question 19 · Fractions, decimals and percentages **4 marks**

(a) £9881 M1 0.88; M1 14 500 × 0.88³; A1 9881
(b) 6 years B1
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Question 20 · Number **3 marks**

(a) 81.2 M1 $5.97 \times 10^{24} \div 7.35 \times 10^{22}$; A1 81.2
(b) 3.8×10^{-5} B1
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Question 21 · Fractions, decimals and percentages **3 marks**

£68
M1 100% − 15% = 85%
M1 57.80 ÷ 0.85
A1 68
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Question 22 · Geometry and measures **5 marks**

Arc radius 3 cm, centre A; bisector of angle DAB (45°) with construction arcs; region outside the arc, between AB and the bisector, shaded
B2 correct arc (B1 arc of radius 3 cm drawn but not centred at A, or incomplete); B2 correct angle bisector with arcs (B1 without arcs); B1 correct region shaded (ft their arc and bisector)
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Question 23 · Geometry and measures **4 marks**

(a) 6.25 m M1 $6.5^2 - 1.8^2$ (= 39.01); M1 √39.01; A1 6.25
(b) Yes: 4 × 1.8 = 7.2 and 6.25 < 7.2 B1 (ft their (a))
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Question 24 · Algebra **5 marks**

Adult £11, child £7
M1 3a + 2c = 47 and a + 4c = 39
M1 eliminates one variable (e.g. 3a + 12c = 117, so 10c = 70)
A1 c = 7
M1 substitutes to find a
A1 a = 11
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Question 25 · Geometry and measures **3 marks**

6.71 cm
M1 sin 34° = x/12
M1 x = 12 × sin 34°
A1 6.71