

Examination practice solutions

Pearson Edexcel GCSE Mathematics 1MA1 • L003

10 marks • Teacher use only • Lesson resources

REACH FOR THE STAR | GCSE MATHEMATICS

B = independent mark; M = method; A = accuracy dependent on the associated method. Accept equivalent exact values and valid alternative methods. If working or an explanation is requested, do not infer it from the answer alone. Otherwise a correct numerical answer earns the numerical method marks. Follow-through only where stated; no credit for repeating the same component.

E1 [2]

604 B1; 0.082 B1.

E2 [3]

2.5 m B1; $\times 100$ conversion M1; 250 cm A1. Follow-through on the conversion method only.

E3 [2]

3.45 then 3.5 B1 with two-stage explanation; direct 3.4 B1 because its hundredths digit is 4.

E4 [3]

60×0.2 M1; 12 A1; 125.16 is about ten times too large B1 reasoned judgement.

Feedback, assessment balance and sources

Reteach and reassess

Scaling error: label a place-value chart and track each digit, rather than counting arbitrary zeros.

Comparison error: pad trailing zeros. Rounding error: mark the retained place and decision digit.

Estimate error: write the rounded expression before calculating. Recheck $0.47 \times 100 = 47$; $0.6 > 0.58$; 8.476 to 2 d.p. = 8.48 ; $39.6 \div 0.81 \approx 40 \div 0.8 = 50$.

Use fresh questions after a delay. Record support used and the next independent check; a high immediate score alone is not mastery.

AO1 3 + AO2 3 + AO3 4 = 10 marks. Item AO judgements are local and require teacher review. This targeted set does not reproduce whole-paper weightings.

Selected content: N2 N13 N14 N15. Specification Issue 2 and sample assessment general marking conventions. Original questions; no past-paper questions reproduced.

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