

Examination practice solutions

Pearson Edexcel GCSE Mathematics 1MA1 • L002

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]

(a) 24 B1; (b) -5 B1.

E2 [3]

M1 for $4 \times 7 = 28$; M1 for $-12 + 28 = 16$; A1 for -£3. A correct full expression earns both method marks.

E3 [2]

First is 12 by left-to-right division/multiplication B1; second is 3 because brackets make divisor 8 B1. Both answers need their explanation.

E4 [3]

$(8 - 2) \times 3 + 1$ B1; $6 \times 3 + 1$ M1; 19 A1. Order and original numbers must be preserved.

Feedback, assessment balance and sources

Reteach and reassess

Negative product error: rebuild three groups of -4 , then use distribution over a zero pair. Quotient error: write $\text{divisor} \times \text{missing number} = \text{dividend}$. Order error: underline the next operation, write one transformation per line. Reassess with $-4 \times (-3) = 12$, $-35 \div 7 = -5$ and $12 - 2 \times 4 = 4$.

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

AO1 2 + AO2 3 + AO3 5 = 10 marks. Item AO judgements are local and require teacher review. This targeted set does not reproduce whole-paper weightings.

Selected content: N2 N3. Specification Issue 2 and sample assessment general marking conventions. Original questions; no past-paper questions reproduced.

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