

Mini test answers

Pearson Edexcel GCSE Mathematics 1MA1 • L005

8 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.

M1 [1]

5 B1.

M2 [1]

12 B1.

M3 [1]

No: only one positive factor B1; reason required.

M4 [2]

A valid split towards prime factors M1; $2^2 \times 3^2$ A1.

M5 [3]

HCF method M1; 12 cm A1; $2+3=5$ pieces B1.

Feedback, assessment balance and sources

Reteach and reassess

If 1 is called prime, count its positive factors. If factors and multiples are swapped, use $3 \times 6 = 18$ in both directions. If HCF and LCM are confused, ask whether the answer must divide or be divisible by each number. Recheck $\text{HCF}(8,12)=4$ and $\text{LCM}(8,12)=24$.

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

AO1 4 + AO2 1 + AO3 3 = 8 marks. Item AO judgements are local and require teacher review. This targeted set does not reproduce whole-paper weightings.

Selected content: N4 N5. Specification Issue 2 and sample assessment general marking conventions. Original questions; no past-paper questions reproduced.

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