

Mini test answers

Pearson Edexcel GCSE Mathematics 1MA1 • L008

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]

$\frac{2}{3}$ B1.

M2 [1]

$\frac{5}{8}$ B1.

M3 [1]

$\frac{1}{2}$ B1.

M4 [2]

2 B1; $2 \times \frac{2}{7} = \frac{4}{7}$ B1.

M5 [3]

$\frac{9}{12} - \frac{4}{12}$ M1; $\frac{5}{12}$ A1; denominators name units and cannot be subtracted B1.

Feedback, assessment balance and sources

Reteach and reassess

R1 errors: rebuild equivalent fractions before operations. R2 errors: compare common units. R3 errors: restore order of operations. Choose one repair rather than reteaching everything. Reassess $\frac{1}{4} + \frac{1}{6} = \frac{5}{12}$ and $(\frac{2}{5}) \div (\frac{1}{5}) = 2$ after a delay.

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

AO1 5 + AO2 3 + AO3 0 = 8 marks. Item AO judgements are local and require teacher review. This targeted set does not reproduce whole-paper weightings.

Selected content: N2 N4 N5 N8. Specification Issue 2 and sample assessment general marking conventions. Original questions; no past-paper questions reproduced.

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