

Examination practice solutions

Pearson Edexcel GCSE Mathematics 1MA1 • L008

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]

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

E2 [3]

12 litres initially M1; 3 litres used or multiply 12 by $\frac{3}{4}$ M1; 9 litres A1.

E3 [2]

Valid example, e.g. $1 \div \frac{1}{2} = 2$ B1; a divisor between 0 and 1 increases the positive result B1.

E4 [3]

Three distinct valid pairings B1; fourth pairing with no duplicate B1; each filling listed once for each bread 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 3 + AO2 4 + AO3 3 = 10 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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