

Examination practice solutions

Pearson Edexcel GCSE Mathematics 1MA1 • L006

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]

$\frac{3}{4}$ B1; $\frac{7}{2}$ B1.

E2 [3]

$2\frac{2}{3}=8/3$ M1; $32/12$ compared with $33/12$ M1; 11/4-litre container A1.

E3 [2]

Valid fraction, e.g. $5/12$ B1; $4/12 < 5/12 < 6/12$ B1.

E4 [3]

$14=3\times 4+2$ B1; remainder gives $2/4$ B1; $2/4=1/2$ by dividing by 2 B1.

Feedback, assessment balance and sources

Reteach and reassess

If learners compare only numerators, use equal-length fraction strips. If they add to both entries, test $\frac{1}{2}$ versus $\frac{2}{3}$. If mixed conversion fails, write $2 = \frac{8}{4}$ before adding $\frac{3}{4}$. Recheck $\frac{9}{15} = \frac{3}{5}$ and $1\frac{2}{5} = \frac{7}{5}$.

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: N1 N2 N10. Specification Issue 2 and sample assessment general marking conventions. Original questions; no past-paper questions reproduced.

<https://qualifications.pearson.com/content/dam/pdf/GCSE/mathematics/2015/specification-and-sample-assessment/gcse-maths-2015-specification.pdf>

<https://qualifications.pearson.com/content/dam/pdf/GCSE/mathematics/2015/specification-and-sample-assessment/GCSE-Mathematics-2015-SAM.pdf>