

Mini test answers

Pearson Edexcel GCSE Mathematics 1MA1 • L007

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]

$\frac{3}{8}$ B1.

M2 [1]

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

M3 [1]

$\frac{1}{4}$ B1.

M4 [2]

$(\frac{3}{7}) \times (\frac{7}{6})$ M1; $\frac{1}{2}$ A1.

M5 [3]

2 B1; used multiplication instead of division B1; $2 \times \frac{1}{4} = \frac{1}{2}$ B1.

Feedback, assessment balance and sources

Reteach and reassess

If denominators are added, return to equal-sized parts. If division is reversed, ask how many quarters fit in three quarters. If mixed numbers are multiplied as separate parts, convert first. Recheck $1/3 + 1/6 = 1/2$ and $2/3 \div 1/3 = 2$.

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

AO1 6 + AO2 2 + 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 N3 N8. 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-assesment/gcse-maths-2015-specification.pdf>

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