

Mini test answers

Pearson Edexcel GCSE Mathematics 1MA1 • L013

8 marks • Teacher use only • Lesson resources

TEACH | LEARN | PRACTISE | SUCCEED

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]

3:5 B1.

M2 [1]

2/9 B1.

M3 [1]

15 B1.

M4 [2]

£12 per part M1; £12 and £36 A1.

M5 [3]

Seven parts M1; 80 ml per part M1; 160 ml syrup and 400 ml water A1.

Feedback, assessment balance and sources

Reteach and reassess

If red is called $\frac{2}{3}$ of the whole for 2:3, draw five equal parts. If learners divide the total by only one ratio term, label all parts. If units differ, convert first. Recheck £40 shared 3:5 gives £15 and £25.

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

Selected content: N11 R4 R5 R6 R8. Specification Issue 2 and sample assessment general marking conventions. Original questions; no past-paper questions reproduced.

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