

Examination practice solutions

Pearson Edexcel GCSE Mathematics 1MA1 • L013

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]

2:3 B1; 1:4 B1 after matching units.

E2 [3]

£12 per part M1; £36 and £48 A1; $36+48=84$ B1.

E3 [2]

A is $\frac{2}{7}$ B1; seven parts form the whole, while $\frac{2}{5}$ compares A to B B1.

E4 [3]

Difference 3 parts M1; one part 6 M1; $A=24$ and $B=42$ 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 2 + AO2 2 + AO3 6 = 10 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.

<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>