Examination practice solutions

Pearson Edexcel GCSE Mathematics 1MA1 • L025
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]

112° B1; 52° B1.

E2 [3]

122° B1; corresponding/alternate equality B1; straight-line sum 180° B1.

E3 [2]

No B1; parallelism must be given or proved B1.

E4 [3]

5x+30=180 M1; x=30 A1; 95° and 85° B1 both.

Feedback, assessment balance and sources

Reteach and reassess

If every angle is copied, contrast an alternate pair with a co-interior pair. If parallelism is assumed, remove the arrows and ask what remains known. Recheck a 68° angle with its supplement, 112°.

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 4 + AO3 4 = 10 marks. Item AO judgements are local and require teacher review. This targeted set does not reproduce whole-paper weightings.

Selected content: G1 G3. Specification Issue 2 and sample assessment general marking conventions. Original questions; no past-paper questions reproduced.

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