

Examination practice solutions

Pearson Edexcel GCSE Mathematics 1MA1 • L033

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]

36 cm^2 B1; 18 cm^2 B1.

E2 [3]

96–15 M1; 81 cm^2 A1; 40 cm B1.

E3 [2]

Height is perpendicular to chosen base B1; sloping side generally is not that distance B1.

E4 [3]

$48=8h$ M1; $h=6$ m A1; $(6+10) \times 6 \div 2=48$ B1.

Feedback, assessment balance and sources

Reteach and reassess

If sloping side is used as height, mark a right angle to the base. If internal cuts enter perimeter, trace with a finger. If cm^2 converts like cm, draw a 1 cm square as 10×10 mm. Recheck 8×5 rectangle minus 3×2 corner.

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 3 + AO3 5 = 10 marks. Item AO judgements are local and require teacher review. This targeted set does not reproduce whole-paper weightings.

Selected content: G14 G16 G17. Specification Issue 2 and sample assessment general marking conventions. Original questions; no past-paper questions reproduced.

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