

Examination practice solutions

Pearson Edexcel GCSE Mathematics 1MA1 • L026

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]

60° B1; 1080° B1.

E2 [3]

$4x+10=180$ M1; $x=42.5$ A1; apex 95° B1.

E3 [2]

No B1; sum alone does not imply equal angles B1.

E4 [3]

24 B1; 165° B1; $24 \times 165 = 22 \times 180 = 3960^\circ$ B1.

Feedback, assessment balance and sources

Reteach and reassess

If 360° is used for every interior sum, split a pentagon into triangles. If every polygon angle is assumed equal, contrast an irregular quadrilateral. Recheck a regular octagon: exterior 45° , interior 135° .

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: G1 G3 G4. 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-assessment/gcse-maths-2015-specification.pdf>

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