

Original examination style practice

Pearson Edexcel GCSE Mathematics 1MA1 • L026

10 marks • 12 minutes • Non-calculator • Lesson resources

REACH FOR THE STAR | GCSE MATHEMATICS

Original Reach for the Star questions; not official or endorsed Pearson materials. Shared Foundation/Higher content. This is targeted practice, not a balanced mock paper or grade prediction.

E1 Find (a) an equilateral triangle angle (b) an octagon interior sum. [2]

E2 An isosceles triangle has apex $(2x+10)^\circ$ and each base angle x° . Find all angles. [3]

Reasoning and application

E3 An irregular pentagon has angle sum 540° . Must each angle be 108° ? Explain. [2]

E4 A regular polygon has exterior angle 15° . Find its sides and interior angle, then check its angle sum. [3]

Check working and units. Teacher feedback follows separately.