

Original examination style practice

Pearson Edexcel GCSE Mathematics 1MA1 • L034

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 For radius 6 cm, find exact (a) circumference (b) area. [2]

E2 A sector has radius 10 cm and angle 72° . Find its exact arc length, area and perimeter. [3]

Reasoning and application

E3 A pupil uses $\pi \times 10^2$ for area of a circle with diameter 10 cm. Explain and correct. [2]

E4 A circle has circumference 18π cm. Find radius and exact area, showing the radius equation. [3]

Check working and units. Teacher feedback follows separately.