

Perimeter of regular and irregular shapes

MODULE 5 · MEASURES — LENGTH, AREA, VOLUME, MASS AND CAPACITY

MEASURES

HOW TO ANSWER TODAY

- **Polygon perimeter.** Regular = all sides equal. Perimeter = number of sides $\times$ side length.
Regular pentagon, side 4 cm $\rightarrow 5 \times 4 = 20$ cm
- **Perimeter.** Perimeter is the distance ALL the way round. Rectangle: (length + width) $\times$ 2.
12 m by 8 m $\rightarrow (12 + 8) \times 2 = 40$ m

★ STRETCH PROBLEMS

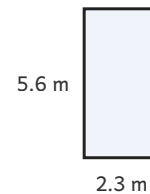
- 1 For STEM week, Cian's class marks out a square test area with 4 sides of 4.1 m each to try their model bridges. What is the perimeter of the test area?



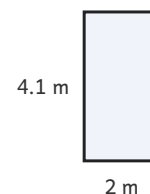
- 2 Aoife draws a scale plan of her square classroom on grid paper. Each side of the classroom measures 5.6 m. What is the perimeter of the classroom?



- 3 Cian and 6th class are marking out a wall-ball court on the school yard. The court measures 2.3 m by 5.6 m. What is its perimeter?



- 4 Saoirse is cutting a rectangular panel for a tessellation pattern on the corridor display. The panel measures 2.0 m by 4.1 m. What is its perimeter?



- 5 For Engineers Week, 6th class are building a rectangular wooden border for a raised garden bed in the school yard. The bed measures 6.4 m by 9.7 m. What length of wood do they need for the full perimeter?

