

Perimeter: the distance around a shape (add the sides)

MODULE 5 · AREA, PERIMETER AND VOLUME 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

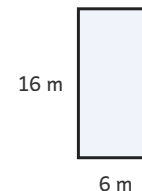
- 1 Oisín cuts a square photo of the school orchard to pin on the noticeboard. Each side of the photo measures **9 cm**. What is the perimeter of the photo?



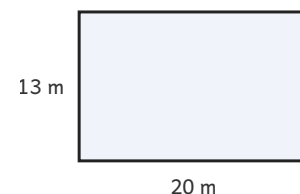
- 2 Daithí draws a square play mat on grid paper for his classroom plan. Each side of the square measures **12 cm**. What is the perimeter of the play mat on his plan?



- 3 The 4th class garden plot measures **6 m** by **16 m**. Cian is putting a low fence around the edge to keep the footballs out. What length of fencing does he need to go all the way around?



- 4 3rd class are marking out a rectangular pitch for the school sports day. The pitch measures **20 m** along one side and **13 m** along the other. What is the perimeter of the pitch?



- 5 Oisín draws a regular pentagon on grid paper for the school garden bed. Each of its **5** sides is **11 cm** long. What is the perimeter of his pentagon?

