

Same perimeter, different area – an investigation

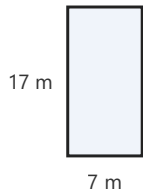
MODULE 5 · AREA, PERIMETER AND VOLUME MEASURES

HOW TO ANSWER TODAY

- **Area.** Area = length $\times$ width. Write the answer in square units (cm^2 , m^2).
 $5 \text{ m} \times 3 \text{ m} \rightarrow 15 \text{ m}^2$
- **Perimeter.** Perimeter is the distance ALL the way round. Rectangle: $(\text{length} + \text{width}) \times 2$.
 $12 \text{ m by } 8 \text{ m} \rightarrow (12 + 8) \times 2 = 40 \text{ m}$

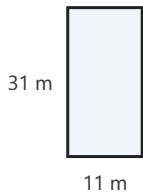
★ STRETCH PROBLEMS

1



Tadhg draws a scale plan of his classroom on grid paper. The classroom measures **7 m** by **17 m**. What is the area of the classroom floor?

2



the class are laying out a rectangular vegetable patch in the school garden. The patch measures **11 m** by **31 m**. What length of fencing is needed to go all the way around the patch?