

Measures problem-solving and review

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

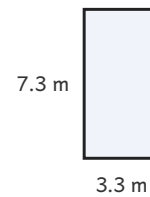
MEASURES

HOW TO ANSWER TODAY

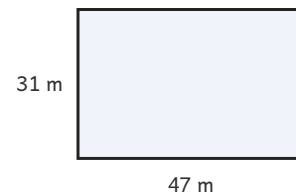
- **Perimeter.** Perimeter is the distance ALL the way round. Rectangle: $(\text{length} + \text{width}) \times 2$.
 $12 \text{ m by } 8 \text{ m} \rightarrow (12 + 8) \times 2 = 40 \text{ m}$
- **L-shape area.** Split the L into two rectangles. Find each area. Add them.
 $(4 \times 3) + (6 \times 2) = 12 + 12 = 24 \text{ m}^2$
- **Area.** Area = length $\times$ width. Write the answer in square units (cm^2 , m^2).

★ STRETCH PROBLEMS

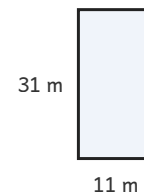
- 1 5th class are planning a new rectangular flowerbed in the school garden. It measures **3.3 m** by **7.3 m**, and they want to put a low wooden border all the way around it. What length of border do they need in total?



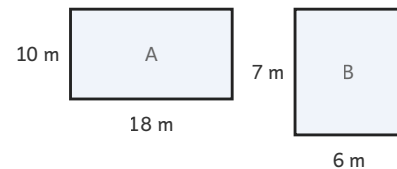
- 2 The caretaker is marking out a rectangular junior GAA pitch on the school field for 5th class training. The pitch measures **47 m** along one side and **31 m** along the other. What length of rope is needed to mark all the way around the perimeter?



- 3 5th class are fencing off a rectangular plot in the school orchard to grow apple trees. The plot measures **11 m** by **31 m**. What length of fencing do they need to go all the way around it?



- 4 5th class are marking out an L-shaped vegetable plot in the school garden for Engineers Week. The plot is made from two rectangular sections. Section A measures **18 m** by **10 m** and Section B measures **6 m** by **7 m**. What is the total area of the plot?



- 5 The caretaker is marking out a small soccer pitch on the school field for 5th class. The pitch measures **7 m** by **17 m**. What is the area of the pitch?

