

Area of rectangles

MODULE 4 · MEASURES — LENGTH, MASS, CAPACITY, AREA, VOLUME NUMBER

Area is the space inside a shape. For a rectangle, multiply the **length** by the **width**: $\text{Area} = l \times w$.

→ A 5 cm by 3 cm rectangle has area $5 \times 3 = 15 \text{ cm}^2$.

→ A 2.5 m by 4 m rectangle has area $2.5 \times 4 = 10 \text{ m}^2$.

FIND THE AREA OF A 5 CM BY 3 CM RECTANGLE

- 1 Area = length $\times$ width.
- 2 Area = $5 \times 3 = 15$.
- 3 Don't forget the units: $\text{cm} \times \text{cm} = \text{cm}^2$ (square centimetres).
- 4 Answer: **15 cm²**.

HOW TO ANSWER TODAY

- **Area.** Area = length $\times$ width. Write the answer in square units (cm^2 , m^2).
 $5 \text{ m} \times 3 \text{ m} \rightarrow 15 \text{ m}^2$

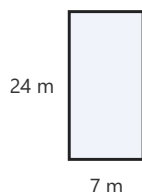
TRY IT ON THE LINE

For each rectangle, multiply length $\times$ width to get the area. The picture splits the rectangle into unit squares to show why.

1. Above: 6×4 rectangle. Area = $6 \times 4 = \underline{\hspace{2cm}}$ cm^2
2. A 5×8 rectangle. Area = $\underline{\hspace{2cm}}$ cm^2
3. A 10×7 rectangle. Area = $\underline{\hspace{2cm}}$ cm^2
4. A 3.5×4 rectangle. Area = $\underline{\hspace{2cm}}$ cm^2 (decimal!)

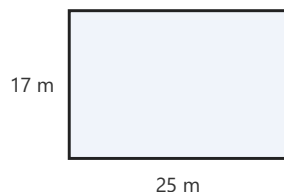
PRACTICE

1



Liam is helping to mark out a rectangular section of the school yard for the summer fair stalls. The section measures **7 m** by **24 m**. What is its area?

2



5th class are marking out a rectangular running track on the school field for sports day. The track measures **25 m** by **17 m**. What is the area inside the track?