

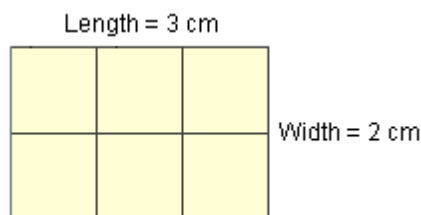


Area of rectangles: length and width

Instead of counting the squares, area can be found by multiplying the length by the width of the rectangle.

The area of a rectangle is:

$$\text{Area} = \text{length} \times \text{width}$$



For example in the above rectangle $\text{area} = \text{length} \times \text{width} = 3 \text{ cm} \times 2 \text{ cm}$

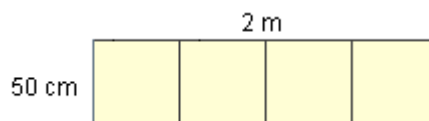
The area of the rectangle = **6 cm²**

Warning: the width and length must be in the same units. For example, you cannot mix metres and centimetres.

Don't forget that 10 millimetres = 1 centimetre

and 100 centimetres = 1 metre

Example



Before you can work out the area of this rectangle you must **change the measurements** to the **same units**. Choose either metres or centimetres.

In **metres** the measurements would be 0.5 m and 2 m.

In **centimetres** the measurements would be 50 cm and 200 cm.

Area of shape = $0.5 \text{ m} \times 2 \text{ m}$

Area of shape = **1 m²**