Keywords

- area
- perimeter
- centimetres
- metres
- squares
- distance
- millimetres
- kilometres
- length
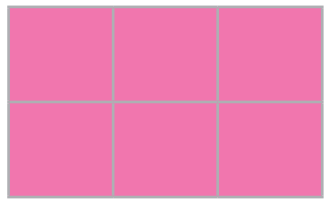- width
- rectilinear
- right angle

Area

Area is the amount of space inside a 2D shape.

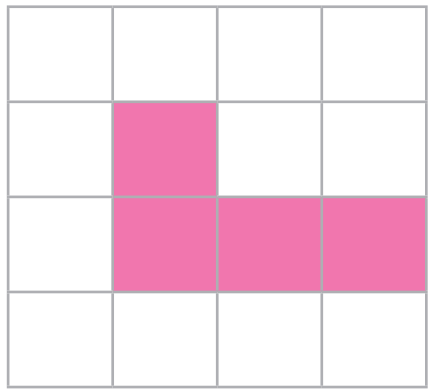**Area**

Measuring Area

We can count **squares** to find the **area** of a **rectilinear** shape.

Area = 1 square

Area = 6 squares

Area = 4 squares

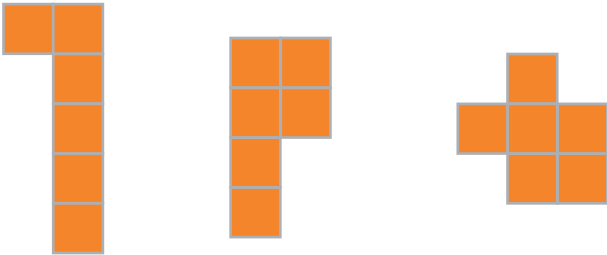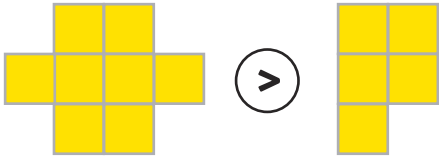## Comparing Area

These rectilinear shapes all have an area of 6 squares.

> (greater than)

Rectilinear Figures

A **rectilinear** figure is a 2D shape whose sides all meet at **right angles** (90°).

Keywords

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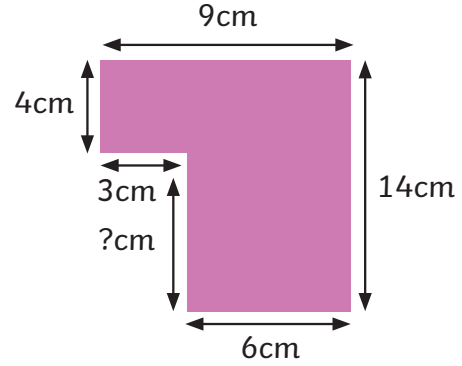rectilinear

right angle

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Perimeter

Perimeter is the total **distance** around the outside of a 2D shape.
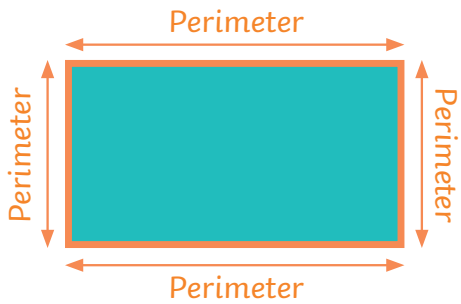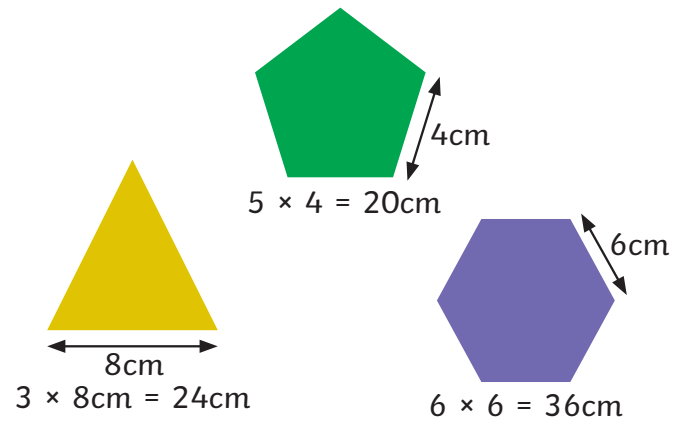

Perimeter of Rectilinear Shapes

The missing side is 10cm because 10 + 4 = 14.

9cm

4cm

3cm

?cm

14cm

6cm

Perimeter = 9 + 14 + 6 + 10 + 3 + 4 = 46cm.

Perimeter of Polygons

perimeter of regular polygons = number of sides × length of one side

4cm

5 × 4 = 20cm

6cm

6 × 6 = 36cm

8cm

3 × 8cm = 24cm

Length

Measure in kilometres and metres.

| km |
| m |
| cm |
| mm |

1 **kilometre** = 1000 **metres**

1 **metre** = 100 **centimetres**

1 **centimetre** = 10 **millimetres**

km 0   1   2   3   4   5   6   7   8   9   10

m 0   1,000   2,000   3,000   4,000   5,000   6,000   7,000   8,000   9,000 10,000

5km

1300m   3700m

Distance between two cities   m   (km)

Length of garden   (m)   km

3km 400m

3km   400m