

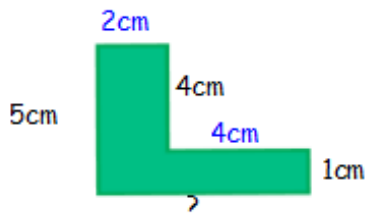
Year 4 Area and Perimeter

Key Vocabulary	
length	
width	
area	
perimeter	
millimetre mm	
centimetre cm	
metre m	
kilometre km	
rectilinear	

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



Perimeter of Rectilinear Shapes



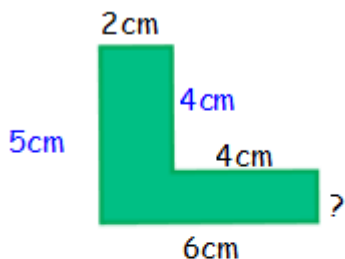
To work out the missing side, you need to add together the two opposite sides.

$$4\text{cm} + 2\text{cm} = 6\text{cm}$$

You then add this to the sides you already have.

$$6\text{cm} + 5\text{cm} + 4\text{cm} + 4\text{cm} + 2\text{cm} + 1\text{cm} = 22\text{cm}$$

The perimeter of this shape is 22cm



To find the missing side here you need to subtract the one opposite side you have to find the other.

$$5\text{cm} - 4\text{cm} = 1\text{cm}$$

The perimeter of this shape is 22cm

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



Area

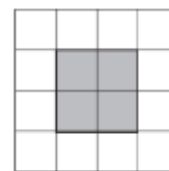


Area is the amount of space within a 2D shape.

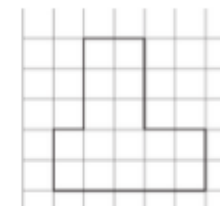
Area of Rectilinear Shapes



To find the area of rectilinear shapes we count the amount of squares.



Area = 4 squares



Area = 16 squares

Units of Measure for Perimeter and Length

1 **centimetre** (cm) = 10 **millimetres** (mm)

1 **metre** (m) = 100 **centimetres** (cm)

1 **kilometre** (km) = 1000 **metres** (m)