Perimeter and Area Knowledge Or		
Key Vocabulary	Measure Perimeter	Calculate Perimeter
metre	Measure the perimeter of a rectangle:	Calculate the missing sides of this rectilinear shape to find the perimeter:
kilometre	w	2cm
perimeter	Measure the length (l) and width (w). Perimeter = l + w + l + w or (l + w) × 2	8cm
length	Measure the perimeter of regular shapes: Measure the length (l) and	missing side 1
width	count the number of sides (s) on the shape.	* This shape is not drawn to the dimensions specified.
rectangle	Perimeter = l × s Measure the perimeter of irregular shapes:	Missing side 1 + 4cm = 8cm, so missing side 1 = 4cm.
rectilinear		Missing side 2 = 2cm + 7cm = 9cm
dimensions		Perimeter = sum of all sides = 2cm + 4cm + 7cm + 4cm + 9cm + 8cm = 34cm
*	Measure the length of each side and add them together.	

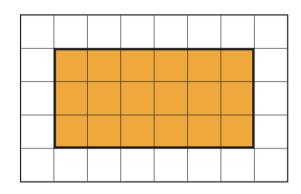
Length and Perimeter

Knowledge Organiser

Area of Rectangles

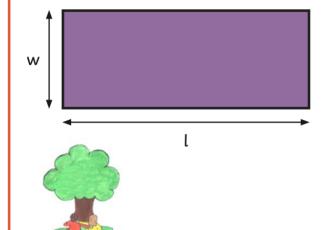
Area of Irregular Shapes

The area of a rectangle on a grid:



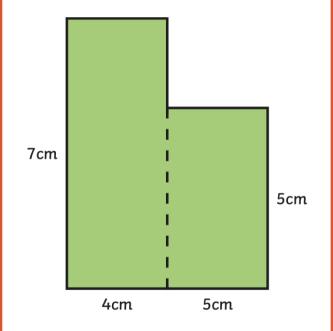
Multiply the length \times width $= 6 \times 3 = 18$ squares.

The area of a rectangle = length (l) \times width (w).

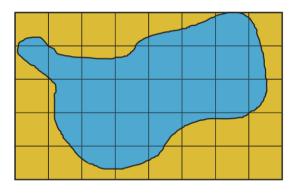


To find the area of a compound shape, divide the shape into rectangles with known dimensions:

Area of Compound Shapes



Area = $7cm \times 4cm + 5cm \times 5cm$ = $28cm^2 + 25cm^2$ = $53cm^2$ To find the area of an irregular shape, find the number of whole squares and part squares.



Whole squares = 10 Part squares = 22

Estimate of area = whole squares + half part squares

 $= 10cm^2 + 11cm^2 = 21cm^2$

*There are other ways to estimate the area of irregular shapes.