Length

How far from one end to another end.

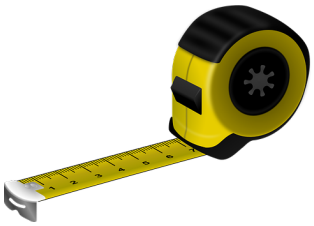
Kilometre / km

A *metric* measure of distance.

1 km = 1,000 m

It takes about 13 minutes to walk 1km.

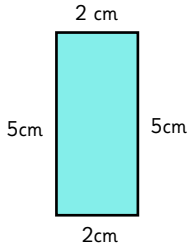
Metre / m



A *metric* measure of length or distance.

1 m = 100 cm

Perimeter

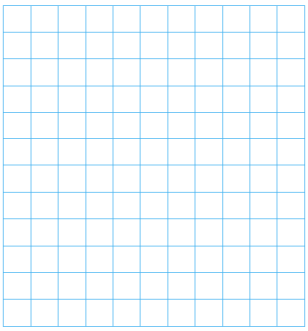


Not to scale

The distance around a 2D shape.

The perimeter of this shape is 14cm.

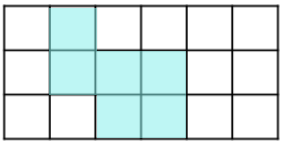
2cm + 5cm + 2cm + 5cm = 14cm



Grid

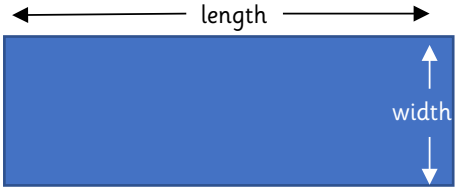
Horizontal and vertical lines crossing each other.

Rectilinear



A figure where all edges meet at right angles.
The figures all have straight lines.

Width



How wide a shape is.

Dimension

A measurement of length in one direction.

A line has 1 dimension.

height

A rectangle has 2 dimensions.

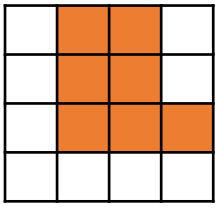
width and height

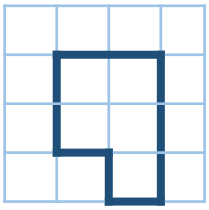
A cuboid has 3 dimensions.

width, depth and height

Area

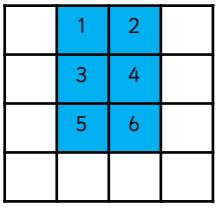
How much space there is on a flat surface.





Area – Counting Squares

You can put a shape on a grid and find the area by counting the number of squares.



When each square measures 1cm by 1cm, then the area is 6cm^2 - 6 square cm

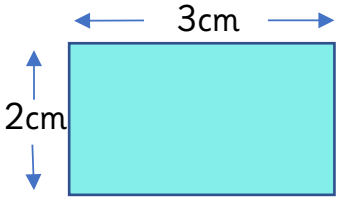
The rectangle has an area of 6.

Formula for Area

To work out the area of a shape, you use the formula:

Area = width x height

Area = W x H



The width of this shape is 3cm. The height of the shape is 2cm.

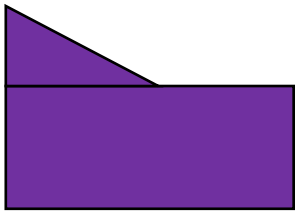
W= 3cm H= 2cm

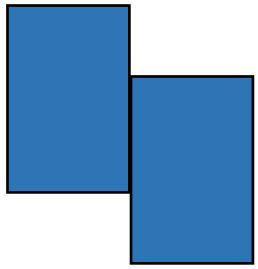
Area = W x H

Area = 3 x 2 = 6cm

Compound/Composite Shapes

Shapes which are made up of two or more simple shapes.

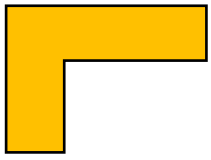




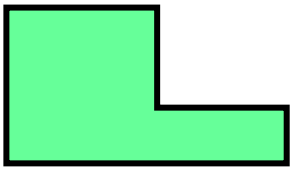
Composite Rectilinear Shapes

Shapes which are made up of two or more shapes consisting of right angles.

✗



✓



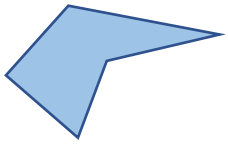
✓

✓

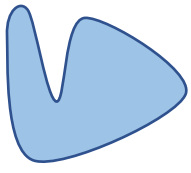
Irregular Shapes

2D Shapes with sides and angles that are not all the same.

Regular Shape



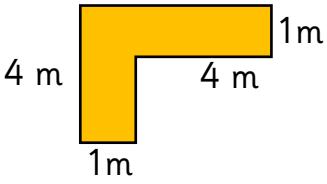
Irregular Shape

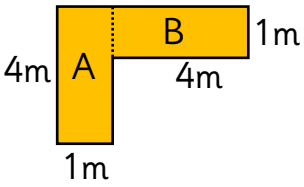


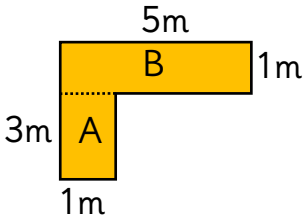
Irregular Shape

Area: Compound Shapes

You can split up the shape and work out the area of each new shape. The area remains the same no matter how you split up the shape.

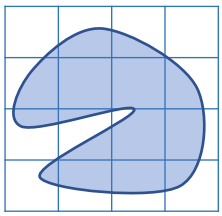






Area: Irregular Shapes

You have to use your knowledge of fractions to estimate how much of a square is covered and combine different part-covered squares to give an overall approximate area.



Approximately how many whole squares are covered?
What do the parts combine to?

Approximate

Not completely accurate, but close enough to be used.

Perimeter & Area — Year 5

Length

How far from one end to another end.

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Perimeter & Area — Year 5

Grid

Horizontal and vertical lines crossing each other.

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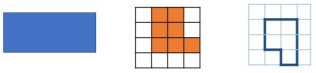
Perimeter & Area — Year 5

Area

How much space there is on a flat surface.



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Perimeter & Area — Year 5

Kilometre / km

A *metric* measure of distance.

1 km = 1,000 m

It takes about 13 minutes to walk 1km.

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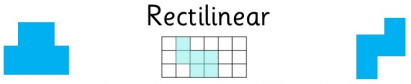
Perimeter & Area — Year 5

Rectilinear



A figure where all edges meet at right angles.
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Perimeter & Area — Year 5

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Perimeter & Area — Year 5

Metre / m

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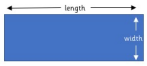
Perimeter & Area — Year 5

Width



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Perimeter & Area — Year 5

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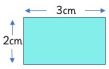

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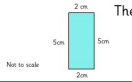
Perimeter & Area — Year 5

Perimeter



The distance around a 2D shape.

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Perimeter & Area — Year 5

Dimension

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Perimeter & Area — Year 5

Compound/Composite Shapes

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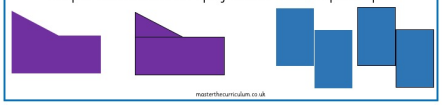

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Perimeter & Area — Year 5

Area:
Compound Shapes

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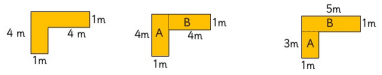

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Perimeter & Area — Year 5

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Perimeter & Area — Year 5

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Perimeter & Area — Year 5

Irregular Shapes

2D Shapes with sides and angles that are not all the same.

Regular Shape — Irregular Shape — Irregular Shape

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Perimeter & Area — Year 5

Approximate

Not completely accurate, but close enough to be used.

≈

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Year 5 – Perimeter & Area Vocabulary Assessment				masterthecurriculum.co.uk	
Length		Kilometre / km		Metre / m	
Perimeter		Grid		Rectilinear	
Width		Dimension		Area	
Area- Counting Squares		Formula for Area		Compound/Composite Shapes	
Composite Rectilinear Shapes		Irregular Shapes		Area – Compound Shapes	
Area – Irregular Shapes		Approximate			

Year 5 – Perimeter & Area Vocabulary Assessment				masterthecurriculum.co.uk	
Length		Kilometre / km		Metre / m	
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Composite Rectilinear Shapes		Irregular Shapes		Area – Compound Shapes	
Area – Irregular Shapes		Approximate			

Year 5 – Perimeter & Area Vocabulary Assessment				masterthecurriculum.co.uk	
Length		Kilometre / km		Metre / m	
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