



Topic: Length, Perimeter and Area

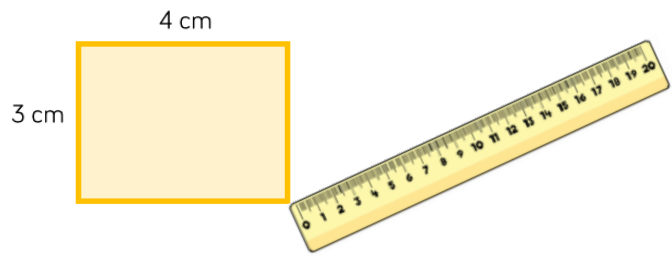
Year: 4

Strand: Measurement

What should I already know?

Previous learning that will help you with this unit of work:

- measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
- measure the perimeter of simple 2-D shapes

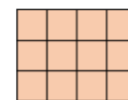


Key Vocabulary

Length	the amount that it measures from one end to the other along the longest side.
Distance	the amount of space between two points or places.
Metre (m)	a metric unit of length equal to 100 centimetres.
Centimetre (cm)	a metric unit of length equal to 10 millimetres.
Millimetre (mm)	a metric unit of length.
Kilometre (km)	a metric unit of length equal to 1000 metres.
Perimeter	the continuous line forming the boundary of a shape,
Equivalent	if one amount or value is the equivalent of another, they are the same.
Rectilinear Shape	a 2D shape with straight sides and right angles.
Area	the measurement of space inside a 2-dimensional shape

What will I know by the end of the unit?

How do you convert mm into cm?	divide by 10
How do you convert cm into mm?	Multiply by 10
How do you convert cm into m?	divide by 100
How do you convert m into cm?	Multiply by 100
How do you convert m into km?	divide by 1000
How do you convert km into m?	Multiply by 1000
How do we calculate perimeter?	Add all the lengths of a shape.
Do you need to measure all the sides of a rectangle to find the perimeter?	No, you need to measure 2 sides and then multiply by 2.
Can you measure the perimeter of a square if you only have the measurement of one side?	A square has 4 equal sides so you multiply by 4.
How do we calculate area?	Multiply the length of a shape by its width.
Calculate the area of this shape.	12 squares



Useful Websites

- <https://www.bbc.co.uk/bitesize/articles/z9wbn9q>
- <https://www.bbc.co.uk/bitesize/topics/zjbg87h>

Objectives

- Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.
- Convert between different units of measure [for example, kilometre to metre]
- Find the area of rectilinear shapes by counting squares.