



Topic: Measurement—Length & Perimeter

Year: 3

Strand: Measurement

What should I already know?

In Year 1 you learned to compare, describe and solve practical problems for lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] and to measure and begin to record lengths and heights

In Year 2 you learned to choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) and to compare and order lengths, and record the results using >, < and =



What will I know by the end of the unit?

Key Vocabulary	
Length	The length of something is the amount that it measures from one end to the other along the longest side.
Millimetre (mm)	A millimetre is a metric unit of length that is equal to a tenth of a centimetre or a thousandth of a metre.
Centimetre (cm)	A centimetre is a unit of length in the metric system equal to ten millimetres or one-hundredth of a metre.
Metre (m)	A metre is a metric unit of length equal to 100 centimetres.
Kilometre (km)	A kilometre is a metric unit of distance or length. One kilometre is a thousand metres and is equal to 0.62 miles.
Ruler	Rulers are used to measure things and to draw straight lines.
Equivalent	If one amount or value is the equivalent of another, they are the same.
Perimeter	The perimeter of a 2D shape is the total length of all the sides.
Convert	If one thing is converted or converts into another, it is changed into a different form.

What unit of measurement would I use to measure:	
• A fingernail	mm
• A book	cm
• The length of the classroom	m
• The distance to London	km
How many cm are there in 3m?	300cm
How many mm are there in 5 cm?	50mm
Which is bigger 4cm or 30mm?	4cm
What is 2m and 30cm plus 90 cm?	3m and 20cm
What is the difference between 36cm and 72cm?	36cm
A square has four sides. Each side measures 5cm. What is the perimeter of the shape?	20cm
How do you convert from m to cm?	Multiply by 100
How do you convert from cm to mm?	Multiply by 10
How do you convert from mm to cm?	Divide by 10

Useful Websites

<https://www.bbc.co.uk/bitesize/topics/z4nsgk7>

<https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zsr4k7h>

Objectives

- To measure, compare, add and subtract: lengths (m/cm/mm)
- To measure the perimeter of simple 2D shapes.