Year 3 – Maths – Measurement: Length and Perimeter

Key vocabulary

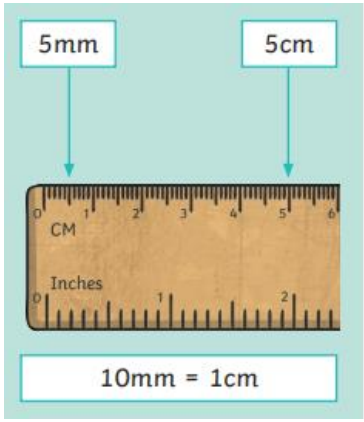
metre (m)
centimetre (cm)
millimetre (mm)
height
length
width
perimeter
further/furthest
higher/highest
longer/longest
shorter/shortest
taller/tallest

Links to other learning

Year 2 – Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm);, using rulers; Compare and order lengths and record the results using >, < and =.

Year 4 - Convert between different units of measure (kilometre to metre); Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres; Find the area of rectilinear shapes by counting squares.

Measure length



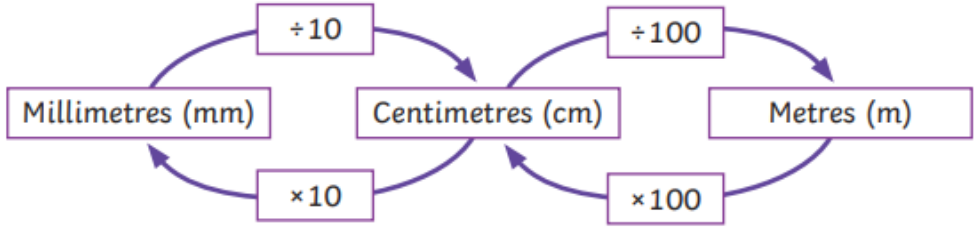
Key questions

How many mm are in a cm?
How do I convert 18mm to cm?
Can you find the perimeter of the shape?

Equivalent length

100 centimetres = 1 metre

10 millimetres = 1 centimetre



317cm	
300cm	17cm
3m	17cm
3m 17cm	

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Compare lengths

6mm < 6cm
6cm = 60mm
6mm is shorter than 6cm

320cm > 2m 60cm
320cm > 200cm + 60cm
320cm is longer than 2m 60cm

98mm < 12cm 3mm
98mm < 120mm + 3mm
98mm is shorter than 12cm 3mm

Add and subtract lengths

14cm + 19cm = 33cm
8cm 2mm + 16mm =
98mm or 9cm 8mm

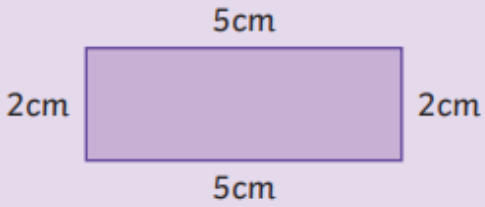
?	
8cm 2mm	16mm
82mm	16mm

6m – 2m 28cm
6m – 2m = 4m
4m – 28cm = 3m 72cm

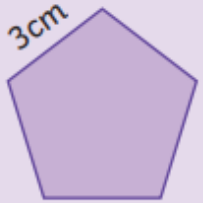
6m	
2m 28cm	?

Perimeter

..... = perimeter



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



3cm + 3cm +
3cm + 3cm
3cm = 15cm

perimeter = 20cm

6cm + 6cm = 12cm

20cm – 12cm = 8cm

8cm ÷ 2 = 4cm