

### Can you.....?

Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers.

Compare and order lengths and record the results using  $>$ ,  $<$  and  $=$ .

### Measure length (m)

Children begin to measure larger objects using **metres**. They think about whether it is better to measure items in centimetres or metres and discuss the reasons why.

Children do not yet convert from metres to centimetres; however they may see that 100 centimetres is the same as 1 metre and measurements can be written as mixed units e.g. the child is 1 metre and 25 centimetres tall.

#### Challenge:

Measure and record the heights of the people in your home.

Measure and record the lengths of the different rooms in your home.

### Measure length (cm)

Children measure to the nearest **centimetre** using a ruler or tape measure.

They measure both length and height and focus on the importance of measuring from 0 rather than the end of the ruler or tape measure.

**Challenge:** Choose a variety of objects and practice measuring them using a centimetre ruler. Remember to line up the object to the 0 mark on the ruler.

Choose 2 objects from your bedroom. Estimate the length of each object. Then measure both objects and compare the lengths using  $<$ ,  $>$  or  $=$

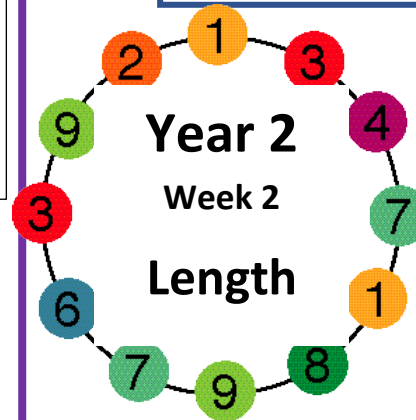
### Open ended challenge!

In 2009, Usain Bolt set a World Record when he ran 100 m in 9.58 seconds (just under 10 seconds).

How far do you think you can run in 10 seconds? Do you think it will be more or less than 100 m?

Measure how far you and your family can run in 10 seconds. Record your answers in metres and centimetres.

Compare and order the distances run using  $>$ ,  $<$  and  $=$ .



### Problem solving and reasoning

There are 3 teddies in a box.  
The brown teddy is 15 cm taller than the yellow teddy.  
The yellow teddy is 3 cm shorter than the pink teddy.  
The pink teddy is 42 cm tall.  
How tall are the brown and yellow teddies?  
How much taller is the brown teddy than the pink teddy?



### Useful websites and games

<https://uk.ixl.com/math/year-2/measure-using-a-centimetre-ruler>

<https://uk.ixl.com/math/year-2/metric-units-of-length-word-problems>