

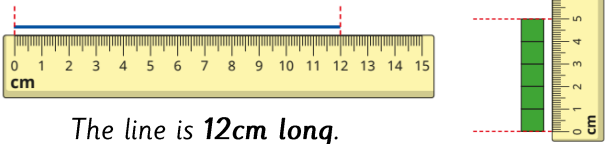
What should I already know?

- That objects can be measured and compared by looking at how long/tall or short they are.
- That we can use a ruler to measure the length/height of an object in centimetres (cm).

Key Knowledge

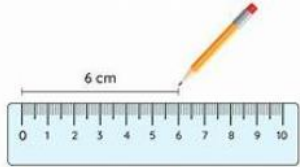
Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); to the nearest appropriate unit using rulers and measuring vessels.

Measure in centimetres (cm)



The line is **12cm long**.

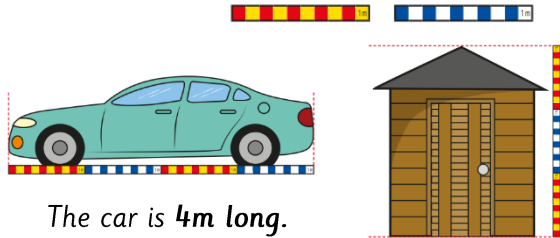
The tower is **5cm tall**.



The line I have drawn is **6cm long**.

Measure in metres (m)

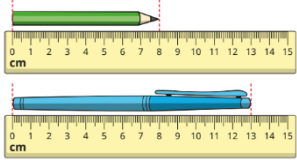
Here are two different coloured metre sticks.



The car is **4m long**.

The shed is **3m tall**.

Compare lengths and heights

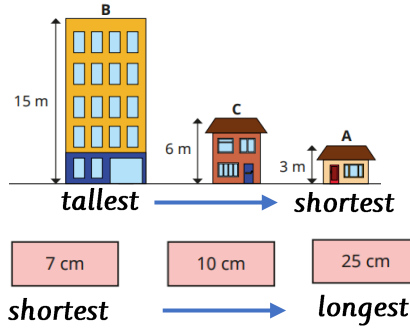


8cm is shorter than 13cm.
13cm is longer than 8cm.

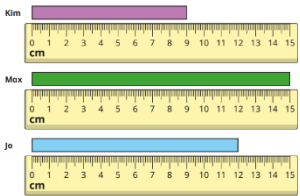
Greater than, less than, equal to

7 metres < 17 metres
18 cm < 18 m
32 cm = 32 centimetres

Order lengths and heights



Four operations with lengths and heights



Max's ribbon is **6cm longer** than Kim's.
Max's ribbon plus Jo's ribbon equals **27cm** altogether.



The house is **6m tall**.
The garage is **half** as tall. It is **3m tall**.
The house is **double** the height of the garage.

Key Vocabulary and definitions

Length	The distance between two ends of a line or object (long/short).
Height	The measurement of someone or something from head to foot or bottom to top (tall/short).
Centimetre (cm)	A standard unit of measure for smaller objects. To measure in centimetres, you can use a centimetre ruler.
Metre (m)	A standard unit of measure for longer/taller objects. 1m = 100cm .
Order	Arrange in a given way, e.g. shortest to longest or shortest to tallest.
Four operations	Addition (+), subtraction (-), multiplication (x) and division (÷). Language linking to multiplication: double . Language linking to division: half .

Stem Sentences:

- The start/end of the object is lined up with _____ cm/m.
- The length/height of the object is _____ cm/m.
- cm is short for _____.
- The object is _____ metre sticks long/tall.
- m is short for _____.
- _____ cm/m is greater/less than _____.
- _____ is longer/taller than _____.