Key Vocabulary

length
width
height
depth
long, longer, longest
short, shorter, shortest
tall, taller, tallest
high, higher, highest
low
wide / narrow
deep / shallow
thick / thin
far / near, close
metre
centimetre
estimate

Measuring in centimetres
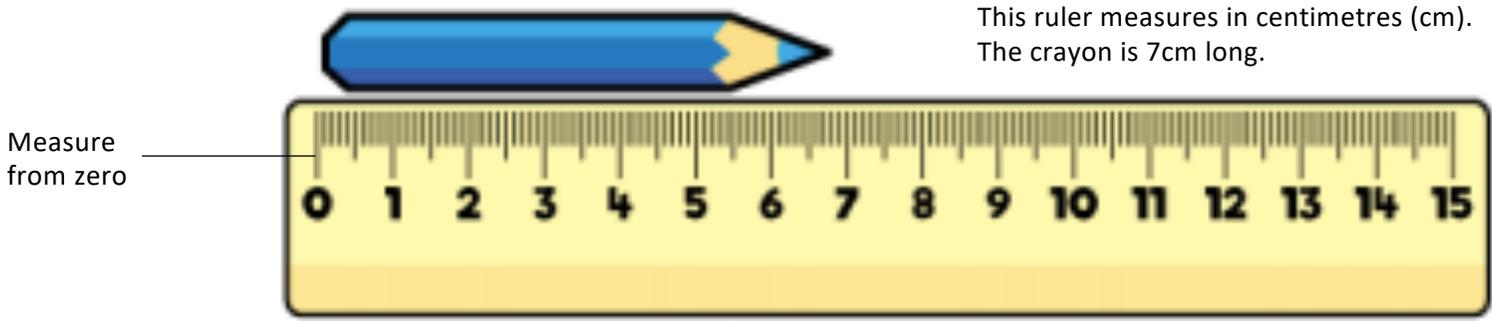
This ruler measures in centimetres (cm).
The crayon is 7cm long.

Measure from zero

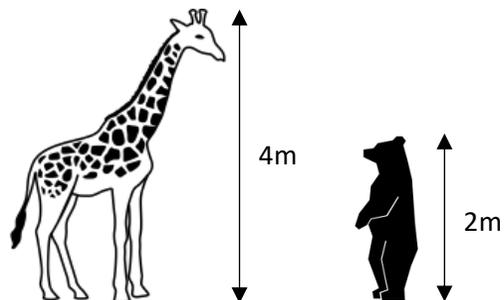0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Measuring in metres
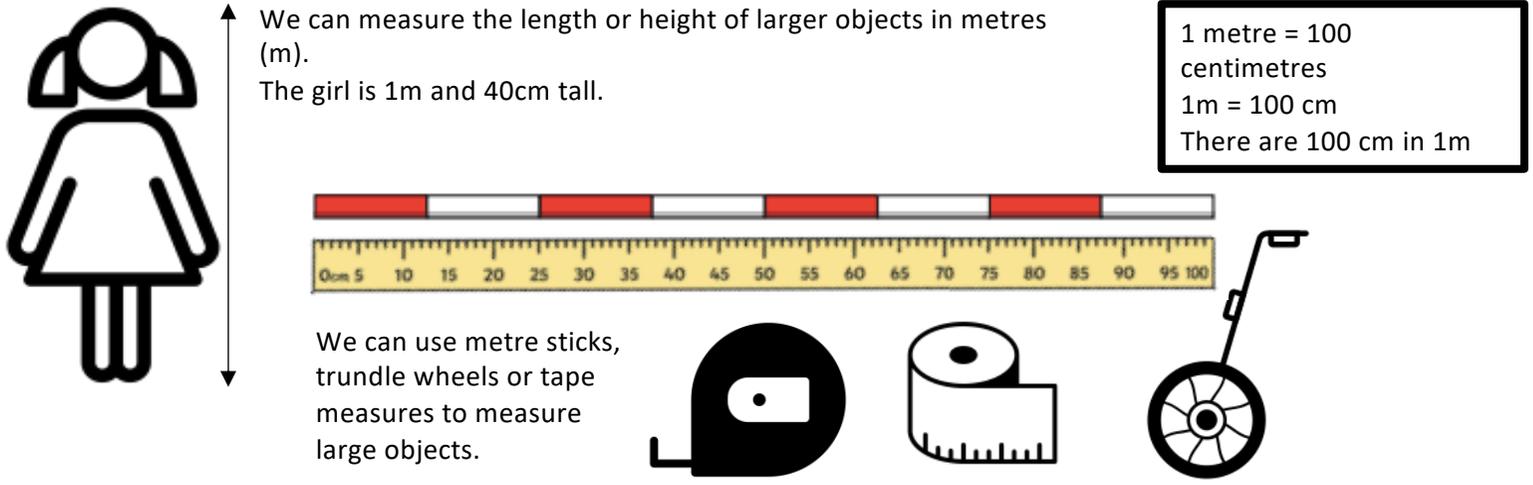
We can measure the length or height of larger objects in metres (m).
The girl is 1m and 40cm tall.

1 metre = 100 centimetres
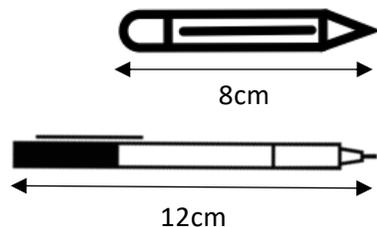1m = 100 cm
There are 100 cm in 1m

0cm 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

We can use metre sticks, trundle wheels or tape measures to measure large objects.
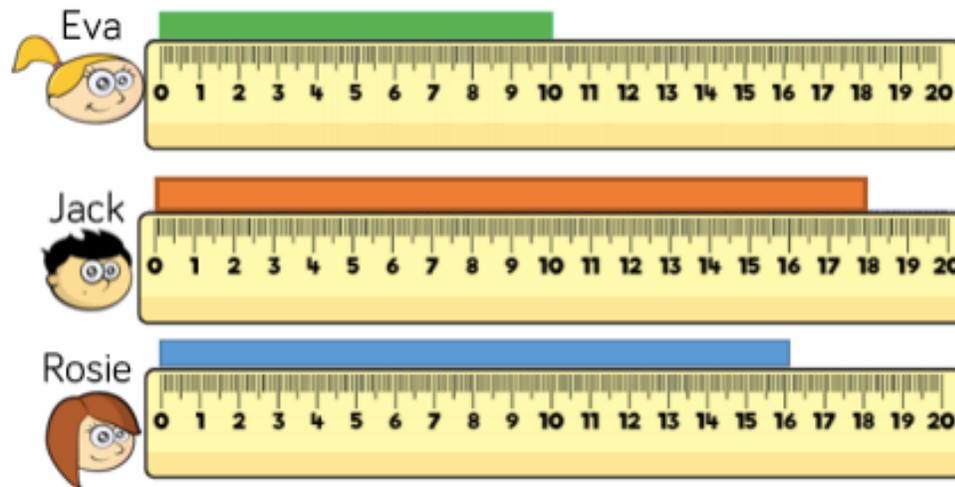
Comparing height and length

4m

2m

8cm

12cm

The giraffe is **taller than** the bear.
The bear is **shorter than** the giraffe
4m > 2m

The pen is **longer than** the pencil.
The pencil is **shorter than** the pen
8cm < 12cm

Four operations with lengths

Eva, Jack and Rosie each have a piece of ribbon.

Eva

Jack

Rosie

How much longer is Jack's ribbon than Eva's?
Jack's ribbon = 18cm   Eva's ribbon = 10cm   18 – 10 = 8cm
Jack's ribbon is 8cm longer than Eva's.

Jack and Rosie put their ribbons together. How long are they altogether?
Jack's ribbon = 18cm   Rosie's ribbon = 16cm   18 + 16 = 34cm

Eva cuts three more ribbons the same length as hers. What is the total length of all four ribbons?
Eva's ribbon = 10cm   10cm x 4 = 40cm

Eva cuts her ribbon in half. What is the length of each piece?
Eva's ribbon = 10cm   Half of 10cm = 5cm

Order lengths

A

B

C

D

The straws are in order from
longest to **shortest**.

A is the **longest**.
D is the **shortest**.
B is **longer than** C.
C is **shorter than** A.