






Knowledge Organiser

Year Group	Subject	Topic
Year 2	Maths	Measurement: Length and Height

The Big Picture:

Children will be able to choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels. They will also compare and order lengths, mass, volume/capacity and record the results using $>$, $<$ and $=$.

Sequence of learning

-  Measure length (cm)
-  Measure length (m)
-  Compare lengths
-  Order lengths
-  Four operations with lengths

Length and Height

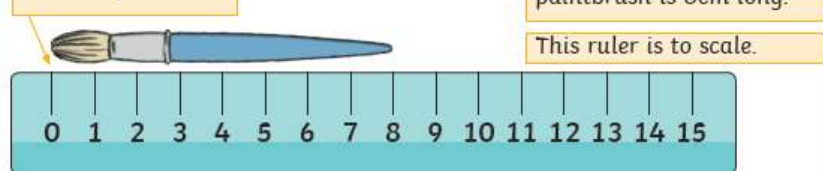
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Key Vocabulary

length
 long
 short
 height
 tall
 measure
 ruler
 tape measure
 metre stick
 centimetre (cm)
 metre (m)
 compare
 order

Measuring in Centimetres

Measure from zero.

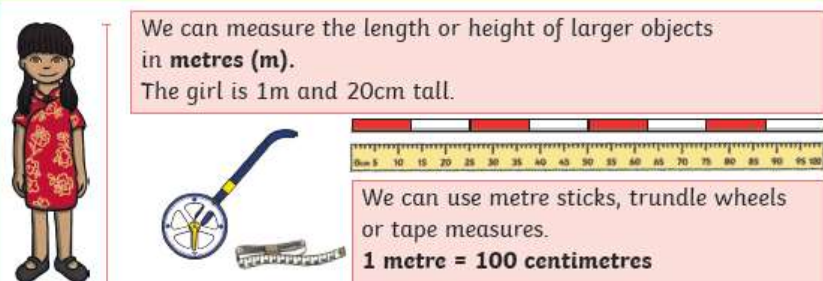


This ruler measures in **centimetres (cm)**. The paintbrush is 8cm long.

This ruler is to scale.

Measuring in Metres

We can measure the length or height of larger objects in **metres (m)**.
The girl is 1m and 20cm tall.

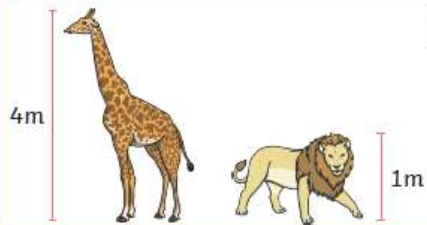


We can use metre sticks, trundle wheels or tape measures.

1 metre = 100 centimetres

Comparing Height

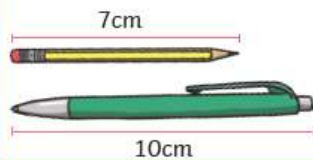
The giraffe is **taller** than the lion.
The lion is **shorter** than the giraffe.



$$4\text{m} > 1\text{m}$$

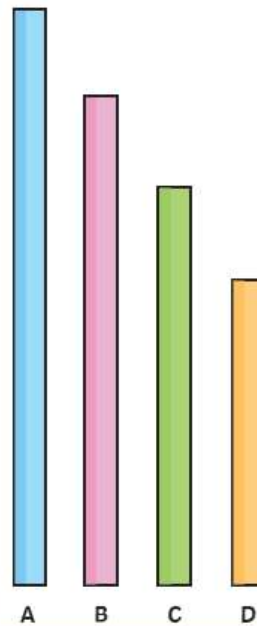
Comparing Length

The pencil is **shorter** than the pen.
The pen is **longer** than the pencil.



$$7\text{cm} < 10\text{cm}$$

Ordering Length



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.

Practise counting forwards and backwards in 2's, 3's and 5's everyday.

Count in 2's	2	4	6	8	10	12	14	16	18	20	22	24
Count in 3's	3	6	9	12	15	18	21	24	27	30	33	36
Count in 5's	5	10	15	20	25	30	35	40	45	50	55	60