



Knowledge Organiser

Measurement



Year 2

Mass & Length

When we measure mass (weight) and length, we have to use certain equipment so we are accurate. Scales are used to measure how heavy something is and rulers are used to measure length. However, if something is really long, we would have to use a metre stick or a tape measure. We need to know how to measure accurately when making a cake or to find out how tall we are.

Builds from Year 1:

Compare and measure mass and length/height.

This year:

Choose and use appropriate standard units to estimate and measure length/height and mass.

Compare and order lengths and mass, using $>$, $<$ and $=$

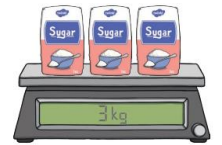
Leads to Year 3:

Add and subtract length and mass. Recognise equivalent lengths.

Mass



A **gram (g)** is a small unit of measure.



A **kilogram (kg)** is a larger unit of measure.

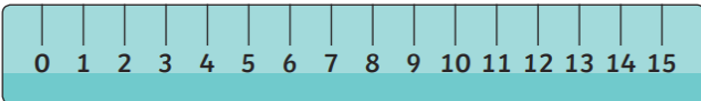
These items are measured in **grams**.



These items are measured in **kilograms**.



Length



A ruler can be used to measure the length of small items in **centimetres (cm)**.

We can measure the length or height of larger objects in **metres (m)**.

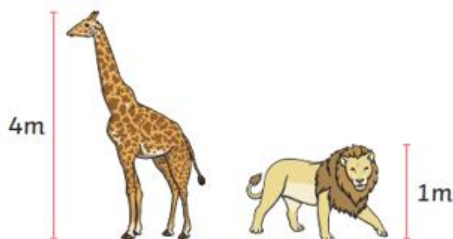


There are 100 centimetres in a metre.

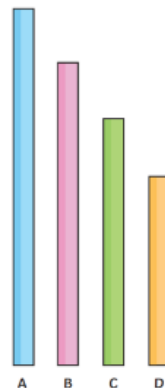
Compare

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

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



Order



A is the **longest**.

D is the **shortest**.

B is **longer** than C.

C is **shorter** than A.

Key Vocabulary

measure mass gram (g) kilogram (kg) lighter heavier weigh
length long short height tall centimetre (cm) metre (m)