

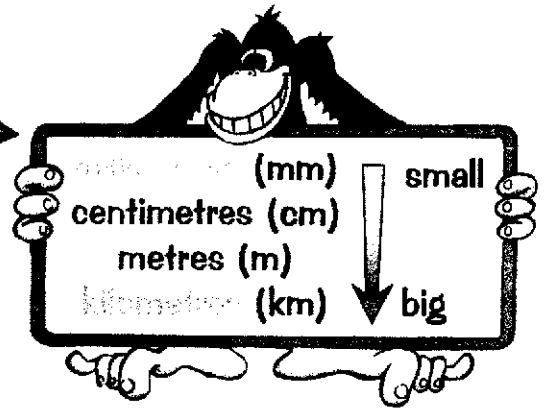
Units and Measures

Use Metric Units for Length

There are 4 units of length you need to know.

$$10 \text{ mm} = 1 \text{ cm} \quad 100 \text{ cm} = 1 \text{ m}$$

$$1000 \text{ m} = 1 \text{ km}$$



Use a Balance or Scales to Find Mass

You measure mass on a balance or weighing scales.
The units of mass are kilograms (kg) and grams (g).

Kilo means 1000 of something.
1 kilogram = 1000 grams

Capacity is How Much a Container Can Hold

Liquids have a volume. This is the amount of space they take up.
The largest volume of liquid something can hold is called its capacity.

You can measure capacity in millilitres (ml) and litres (l).

"Milli" means $\frac{1}{1000}$.
There are 1000 millilitres in a litre.

Sometimes You Need to Convert Units

To convert a larger unit to a smaller unit you need to multiply.
You multiply by the number of smaller units that are in the bigger unit.

$$1 \text{ m} = 100 \text{ cm}$$

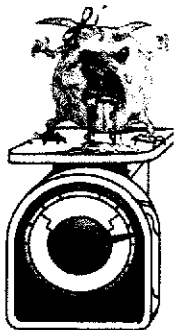
So to convert m to cm, multiply by 100.
EXAMPLE: $2 \text{ m} = 2 \times 100 = 200 \text{ cm}$

$$1 \text{ kg} = 1000 \text{ g}$$

So to convert kg to g, multiply by 1000.
EXAMPLE: $3.2 \text{ kg} = 3.2 \times 1000 = 3200 \text{ g}$

$$1 \text{ litre} = 1000 \text{ ml}$$

So to convert l to ml, multiply by 1000.
EXAMPLE: $0.4 \text{ l} = 0.4 \times 1000 = 400 \text{ ml}$



Objective:

"I can choose appropriate units to measure length, mass and capacity."

