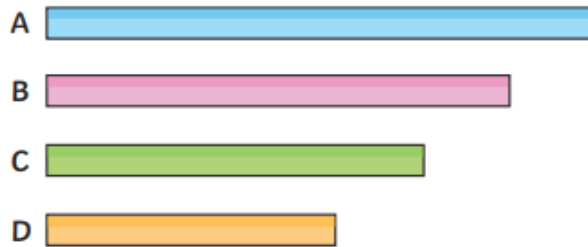


Key Vocabulary	Measuring in Centimetres	Comparing Height
length		<p>The giraffe is taller than the lion. The lion is shorter than the giraffe.</p> <p>4m 4m > 1m</p>
longer		
shorter		
height		
taller		
measure		
ruler		
tape measure		<p>The pencil is shorter than the pen. The pen is longer than the pencil.</p> <p>7cm</p> <p>10cm</p> <p>7cm < 10cm</p>
metre stick		
centimetre (cm)		
metre (m)		
compare		
order		

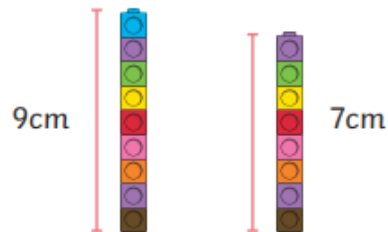
Ordering Length

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



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

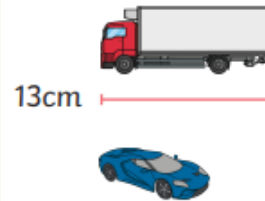
Addition with Height



If we stacked the towers, how tall would they be altogether?

$$9\text{cm} + 7\text{cm} = 16\text{cm}$$

Subtraction with Length



The car is 6cm **shorter** than the truck. How long is the car?

$$13\text{cm} - 6\text{cm} = 7\text{cm}$$

Multiplication with Length



The chain has 5 links. Each link is 5cm long. How long is the chain?

$$5 \times 5\text{cm} = 25\text{cm}$$

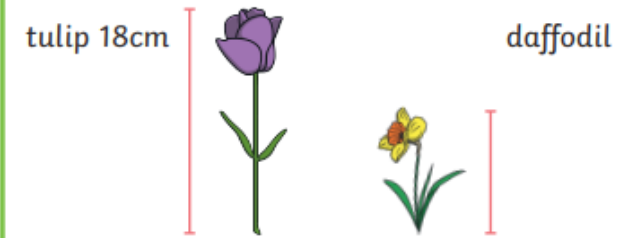
Division with Length



The string of beads is 20cm long. How long is each bead?

$$20\text{cm} \div 10 = 2\text{cm}$$

Halving with Height



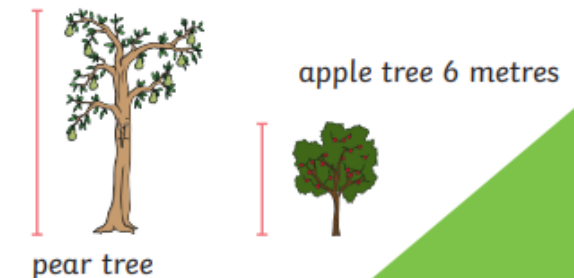
The daffodil is half as tall as the tulip. How tall is it?

Half of 18cm is 9cm.

Doubling with Height


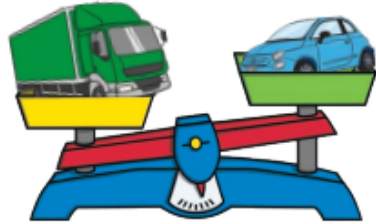

The pear tree is double the height of the apple tree. How tall is it?

12 metres is double 6 metres.





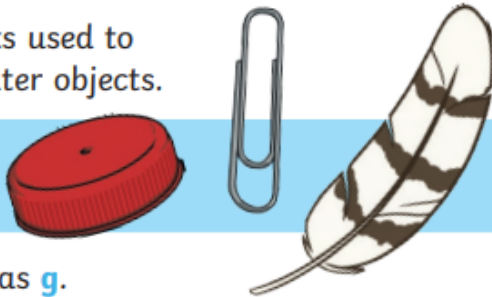
KNOWLEDGE ORGANISER: Maths Year 2 Block 5 - Length, height, mass and capacity

Key Vocabulary	Comparing Mass		
mass	<p>balanced</p> 	<p>heavier lighter</p> 	<p>lighter heavier</p> 
gram			
kilogram			
lighter			
heavier			

Grams

Grams are standard units used to measure the mass of lighter objects.

These have about the same **mass** as 1 **gram**.

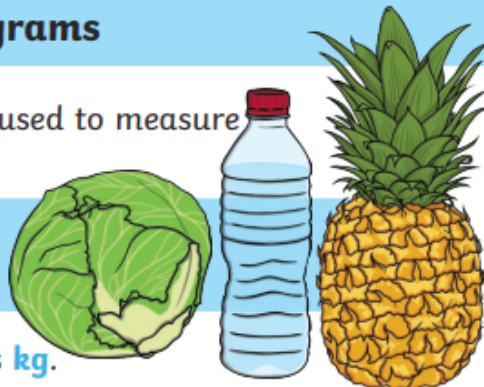


We can also write **gram** as **g**.

Kilograms

Kilograms are standard units used to measure the mass of heavier objects.

These have about the same **mass** as 1 **kilogram**.



We can also write **kilogram** as **kg**.

Measuring Mass in Grams

We can use **scales** to measure **mass**.

The strawberry has a **mass** of 10 **grams**.






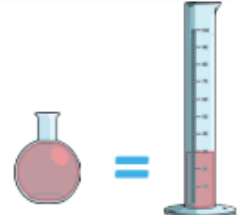
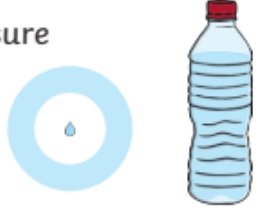

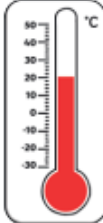
Measuring Mass in Kilograms

The parcel has a **mass** of 10 **kilograms**.





KNOWLEDGE ORGANISER: Maths Year 2 Block 5 - Length, height, mass and capacity

Key Vocabulary	Volume	Capacity
capacity	<p>Volume tells us the amount a container is holding.</p> <p>full half full empty</p> 	<p>Capacity tells us the amount a container can hold when full.</p> <p>greatest capacity smallest capacity</p> 
volume		
millilitre		
litre		
Millilitres		Measuring Capacity in Millilitres
<p>Millilitres are standard units used to measure volume and capacity.</p> <p>We can also write millilitres as ml.</p> 		<p>The full bottle was poured into the measuring cylinder.</p> <p>The bottle has a capacity of 30ml.</p> 
Litres		Measuring Capacity in Litres
<p>Litres are standard units used to measure volume and capacity.</p> <p>There are 1000 millilitres in 1 litre.</p> <p>We can also write litres as l.</p> 		<p>The full bucket was poured into the measuring jug.</p> <p>The bucket has a capacity of 2l.</p> 
Key Vocabulary	Measuring Temperature	
temperature	<p>Temperature tells us how hot or cold something is.</p>	<p>Degrees Celsius can also be written as °C.</p>
Celsius	<p>Degrees Celsius are standard units used to measure temperature.</p>	<p>We can use thermometers to measure temperature.</p>
degrees		 <p>This thermometer shows a temperature of 20°C.</p>