

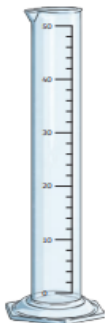



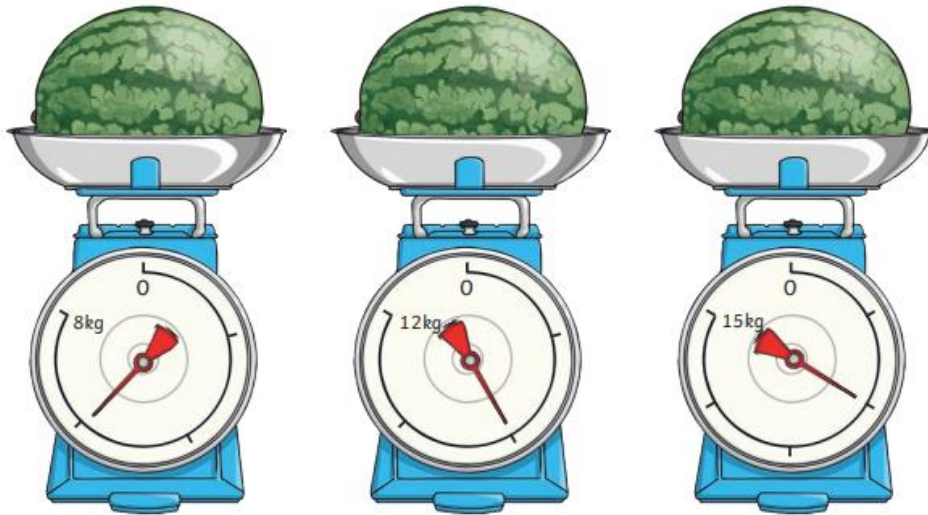


## Year 3 Mass and Capacity

Key Vocabulary	Measure and compare mass				
mass	<p>Scales can be used to measure grams.</p> <p>A gram is a unit of measurement that is used to measure the mass of something.</p> <p>Grams can be written as <b>g</b>.</p>		<p>Scales can be used to measure kilograms.</p> <p>A kilogram is a unit of measurement that is greater than a gram. It is also used to measure the mass of something.</p> <p>Kilograms can be written as <b>kg</b>.</p>		
gram					<p><math>1000g = 1kg</math></p> <p>To compare mass, we can use the words 'heavier' and 'lighter'.</p>
kilogram					
capacity					
volume					
millilitre					
Measure and compare capacity					
litre	<p><b>Capacity</b> is the amount of liquid a container can hold.</p> <p><b>Volume</b> is how much liquid is in the container.</p>		<p>Measuring jugs can be used to measure larger volumes.</p> <p>Greater volumes are measured in litres.</p> <p>Litres can be written as <b>l</b>.</p>		
lighter					<p><math>1000ml = 1l</math></p> <p>To compare capacities, we can use the word 'full'.</p>
heavier					

## Reading Scales Mass

Each of the melons has a mass of 6kg but the arrows are all pointing at different points on the scales. This is because each of the measuring scales have different increments marked on them.



Always look carefully at how the numbers on the scales increase when reading a measurement.

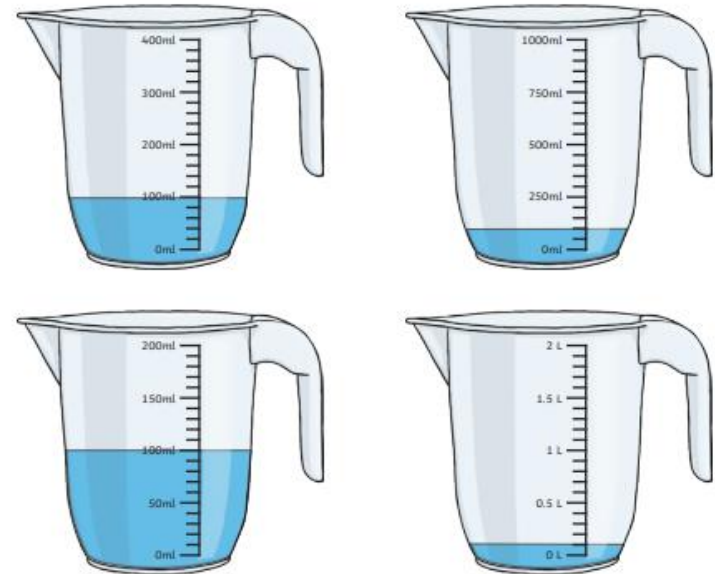
## Add and Subtract Mass

$$600\text{g} + 500\text{g} = 1100\text{g} = \mathbf{1\text{kg } 100\text{g}}$$

$$1\text{kg} - 300\text{g} = 1000\text{g} - 300\text{g} = \mathbf{700\text{g}}$$

## Reading Scales Capacity

Measuring containers all have different capacities.



Each of these containers contain the same volume of 100 millilitres but have different capacities and scales. Always look carefully at how the numbers on the scales increase when reading a measurement.

## Add and Subtract Capacities

$$800\text{ml} + 400\text{ml} = 1200\text{ml} = \mathbf{1\text{l } 200\text{ml}}$$

$$1\text{l } 300\text{ml} - 200\text{ml} = \mathbf{1\text{l } 100\text{ml}}$$