



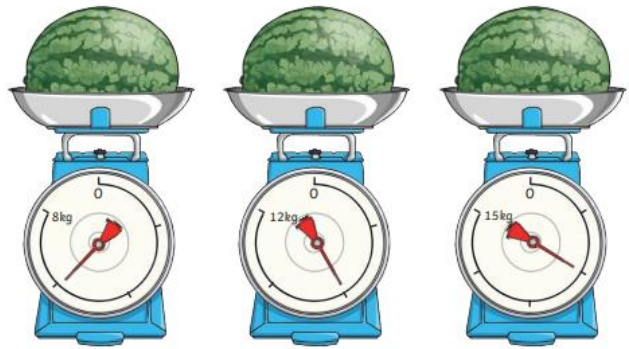
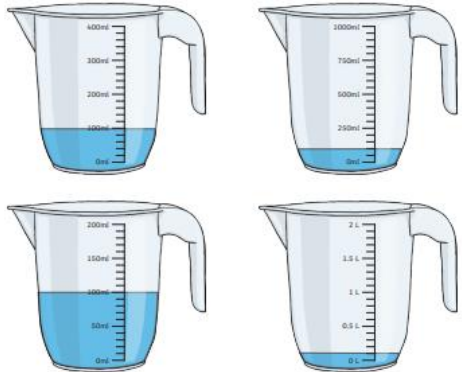
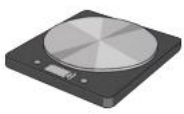


Mass and Capacity		Knowledge Organiser	
Key Vocabulary	Measure and Compare Mass		
mass	<p>Scales can be used to measure grams.</p> <p>A gram is a unit of measurement that is used to measure the mass of something.</p> <p>Grams can be written as <b>g</b>.</p> 	<p>Scales can be used to measure kilograms.</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> <p><b>1000g = 1kg</b></p> <p>To compare mass, we can use the words 'heavier' and 'lighter'.</p> 	
gram			
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 cylinders can be used to measure smaller volumes.</p> <p>Smaller volumes are measured in millilitres.</p> <p>Millilitres can be written as <b>ml</b>.</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> <p><b>1000ml = 1l</b></p> <p>To compare capacities, we can use the word 'full'.</p> 	
lighter			
heavier			

Reading Scales		Knowledge Organiser	
Mass		Capacity	
<p>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.</p>		<p>Measuring containers all have different capacities.</p>	
 <p>Always look carefully at how the numbers on the scales increase when reading a measurement.</p>		 <p>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.</p>	
Add and Subtract Mass		Add and Subtract Capacities	
<p><math>600\text{g} + 500\text{g} = 1100\text{g} = \mathbf{1\text{kg } 100\text{g}}</math></p> <p><math>1\text{kg} - 300\text{g} = 1000\text{g} - 300\text{g} = \mathbf{700\text{g}}</math></p> 		<p><math>800\text{ml} + 400\text{ml} = 1200\text{ml} = \mathbf{1\text{l } 200\text{ml}}</math></p> <p><math>1\text{l } 300\text{ml} - 200\text{ml} = \mathbf{1\text{l } 100\text{ml}}</math></p> 