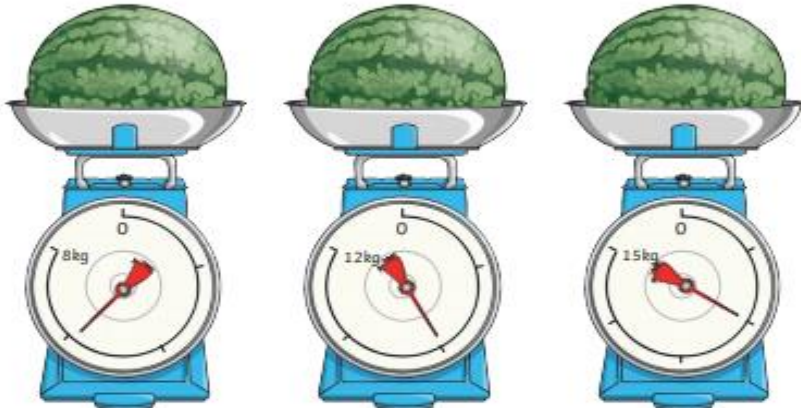
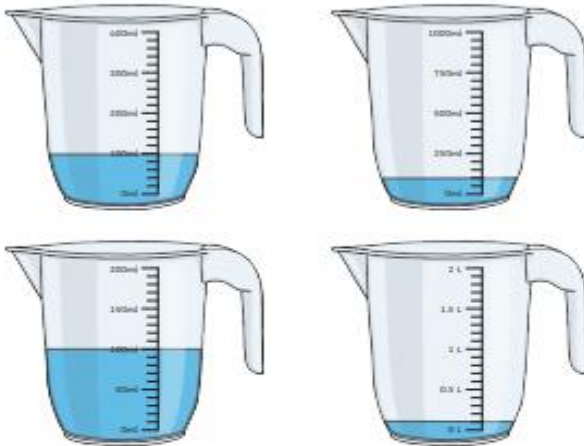


Mass and Capacity		Knowledge Organiser	
Key Vocabulary	Measure and Compare Mass		
mass	Scales can be used to measure grams. A gram is a unit of measurement that is used to measure the mass of something. Grams can be written as g. 	Scales can be used to measure kilograms. A kilogram is a unit of measurement that is greater than a gram. It is also used to measure the mass of something. Kilograms can be written as kg. 1000g = 1kg To compare mass, we can use the words 'heavier' and 'lighter'. 	
gram			
kilogram			
capacity			
volume			
millilitre			
litre			
lighter	Measure and Compare Capacity		
heavier	Capacity is the amount of liquid a container can hold. Volume is how much liquid is in the container. Measuring cylinders can be used to measure smaller volumes. Smaller volumes are measured in millilitres. Millilitres can be written as ml. 	Measuring jugs can be used to measure larger volumes. Greater volumes are measured in litres. Litres can be written as l. 1000ml = 1l To compare capacities, we can use the word 'full'. 	
Year 3			

Reading Scales	Knowledge Organiser
Mass	Capacity
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.	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 Mass	Add and Subtract Capacities
$600\text{g} + 500\text{g} = 1100\text{g} = \mathbf{1\text{kg } 100\text{g}}$ $1\text{kg} - 300\text{g} = 1000\text{g} - 300\text{g} = \mathbf{700\text{g}}$  Year 3	$800\text{ml} + 400\text{ml} = 1200\text{ml} = \mathbf{1\text{l } 200\text{ml}}$ $1\text{l } 300\text{ml} - 200\text{ml} = \mathbf{1\text{l } 100\text{ml}}$ 