





Answers:


Measuring liquids

<p>① Who has the most flour and by how much?</p> <div style="display: flex; justify-content: space-around;"> <div>  <p>Carl's flour 2.2kg 2.2kg 2.2kg 2.2kg</p> </div> <div>  <p>Gail's flour 700g 700g 700g</p> </div> </div> <p>Carl – 6.7kg</p>	<p>② Danny needs to buy 20kg of potatoes for a restaurant. The potatoes come in 2.5kg bags.</p> <p>How many bags will Danny need to buy?</p> <p>8</p>	<p>③ Change each amount to grams (g).</p> <p>a. 1.6kg 1,600g</p> <p>b. 3.55kg 3,550g</p> <p>c. 0.63kg 630g</p>	<p>④ In 2009, the average weight of a man was 84kg and the average weight of a woman was 69kg.</p> <p>What is the difference in average weights?</p> <p>15kg</p>	<p>⑤ Change each amount to kilograms (kg).</p> <p>a. 674g 0.674kg</p> <p>b. 2,045g 2.045kg</p> <p>c. 7,500g 7.5kg</p>	<p>⑥ Amir puts on 0.45kg weight after eating a big meal. Before the meal, Amir weighed 36.5kg.</p> <p>How much does Amir weigh after the meal?</p> <p>36.95kg</p>	<p>⑦ A builder needs 200kg of sand in order to make cement. Sand comes in bags of 25kg.</p> <p>How many bags will the builder need?</p> <p>8</p>	<p>⑧ A box of Flakewheats weighs 860g when full. A quarter of the box has been used.</p> <p>How much is left?</p> <p>645g</p>	<p>⑨ What weight is shown on this scale?</p>  <p>645g</p>	<p>⑩ Show this weight on the scale.</p>  <p>0.45kg</p>
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This work has two main parts. The first part is knowing the relationship between grams and kilograms and being able to change between them. The second part

is the ability to measure using weights and scales in digital and analogue forms.

Measuring weights

<p>① Change each amount to millilitres (ml).</p> <p>a. 1.85 litres 1,850ml</p> <p>b. 0.65 litres 650ml</p> <p>c. 0.04 litres 40ml</p>	<p>② A milk carton contains 3,408 litres of milk when full.</p> <p>How much milk is there in the carton when it is half full?</p> <p>1,704 litres (1,704ml)</p>	<p>③ A bottle of health drink contains 800g of liquid.</p> <p>How much liquid will be held in six bottles?</p> <p>4,800g (4.8kg)</p>	<p>④ A litre is about 1.76 pints.</p> <p>Change each amount to pints.</p> <p>a. 3 litres 5.28 pints</p> <p>b. 5 litres 8.80 pints</p> <p>c. 10 litres 17.6 pints</p>
<p>⑤ In the UK, we sometimes measure liquid in pints instead of litres. A litre is a bit less than two pints.</p> <p>Change each amount to pints (rounded to the nearest whole pint).</p> <p>a. 5 litres About 10 pints</p> <p>b. 10 litres About 20 pints</p> <p>c. 15 litres About 30 pints</p>	<p>⑥ A cube has a volume of 125 cubic centimetres (cm³).</p> <p>What will be the volume of six cubes?</p> <p>750cm³</p>	<p>⑦ A can of drink holds 440ml.</p> <p>How much drink will there be in three cans? Give the answer in litres.</p> <p>1.32l</p>	
<p>⑧ This is part of a scale from a measuring jug. What are the amounts shown by the arrows?</p>  <p>300ml and 450ml.</p>	<p>⑨ Change each amount to litres.</p> <p>a. 450ml 0.45l</p> <p>b. 2,100ml 2.1l</p> <p>c. 12,000ml 12l</p>	<p>⑩ In the UK, we sometimes measure liquids in gallons. A gallon is about 4.5 litres.</p> <p>Work out each amount in litres.</p> <p>a. 4 gallons 18l</p> <p>b. 10 gallons 45l</p> <p>c. 0.5 gallons 2.25l</p>	

Volumes can be confusing to children but they need to know and be able to use the main units of volume and convert between them. Children need to be able to calculate volumes using simple measuring devices.

Sometimes the child can be confused by volume being given as a weight. For example, some liquids will be given as grams rather than the expected litres or millilitres.