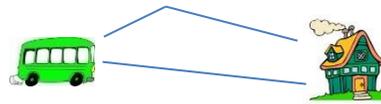
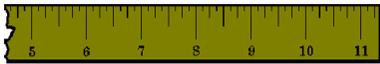


	National Curriculum Statement	All students		
		Fluency	Reasoning	Problem Solving
Measurement	<p>Measure, compare, add and subtract: lengths (m/cm/mm).</p>	<ul style="list-style-type: none"> How long is the pencil?  Find the length from A – B, find the length from B-C. Which is longer? How much longer?  Insert < and > into the number sentences. 13cm <input type="checkbox"/> 140mm 1m <input type="checkbox"/> 90cm 	<ul style="list-style-type: none"> If I have 3m of ribbon and cut it into 50cm lengths, how many lengths can I cut? Convince me. Abigail's ruler has broken. How could she still use it to measure things?  Harry is measuring the length of this pencil. Explain what he is doing wrong.  	<ul style="list-style-type: none"> A coach is three times as long as a car. A train is 6.5m longer than a coach. The train is 36.5m long. How long is the car? Which of the following statements could be true? Check them and correct the false ones by using measuring equipment. <ul style="list-style-type: none"> A chair is about 120mm tall. A sensible portion of pasta is about 40m. A ruler is about 300mm long. The length of a swimming pool is 50m, Miss Jones swims 200m every morning. How many lengths is this?

Measurement

Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).

- Use $<$, $>$ or $=$ to complete the statements below

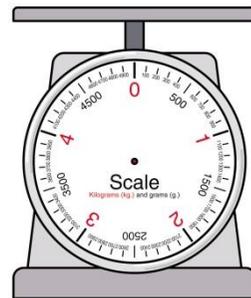
750g  0.8kg

500ml  Half a litre

17mm  2cm – 5mm

- Penny bought 3 tins of beans from the shop. They each weighed 418g each. The bag weighed 5 grams. How heavy was the bag?

- A pack of strawberries weighing 226g and 2 jars of coffee, each weighing 480g, are put on the scale.



Draw an arrow to show the weight of the 3 items.

- Adam makes 2.5 litres of lemonade for a charity event. He pours it into 600ml glasses to sell. He thinks he can sell 7 glasses. Is he correct? Prove it.

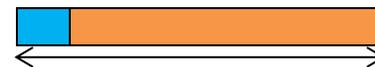
- Here is a blue strip of paper.



An orange strip is 7 times longer.



The strips are joined end to end.



32cm

How long is the blue strip?

How long is the orange strip?

Show your working.

- In groups, children turn over a flashcard to reveal a length (e.g. 20cm). They use Play Do to create a stick of the length given. They do this through estimate then check by measuring. What is the difference between the smallest and largest Play Do stick?

- Using only 3 objects each time, try to get as close to 2kg as possible. Explain why you chose those objects. Work out how much more or how much less is needed to make it 2kg.

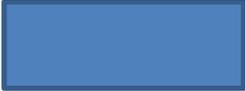
- Erik is making buns for 12 people. He follows this recipe for 6 people.

65g caster sugar
70g butter
60g self-raising flour
1 egg

Sugar, butter and flour are all sold in 200g packs. Work out how much he will have left over of each.

Does he have enough to make 6 more buns? 4 buns? 2 buns?



	National Curriculum Statement	All students		
		Fluency	Reasoning	Problem Solving
Measurement	Measure the perimeter of simple 2D shapes.	<ul style="list-style-type: none"> What is the perimeter of the rectangle? 4cm  2cm A square has sides of 3cm. What is the perimeter of the square? Measure the perimeter of the triangle.  	<ul style="list-style-type: none"> A square has sides that are in whole cm. Which of the following measurements could be its perimeter? 18cm, 8cm, 25cm, 24cm Explain your thinking. Tick the correct statement about the shapes below.  Shape A Shape B - Shape A has a bigger perimeter than shape B. - Shape B has a bigger perimeter than shape A. - Shape A has the same perimeter as shape B. <p>Explain how you know.</p>	<ul style="list-style-type: none"> This shape is made from identical squares. The perimeter of the whole shape is 24cm. Find the perimeter of the central square. Explain how you found the solution.  How many different rectangles can you draw with a perimeter of 20cm? A rectangle has sides where the length is double the width. If the perimeter is 12cm, what are the length and the width of the rectangle?