Lancashire Curriculum Tests

Year 3 - End of Summer Term

(Meeting end of year expectations)

Mathematics

Paper 2: reasoning

First name	
Middle name	
Last name	

Total marks



Instructions

You **may not** use a calculator to answer any questions in this test.

Questions and answers

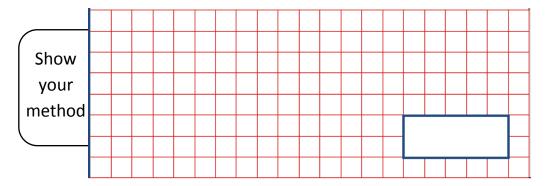
You have approximately **40 minutes** to complete this test.

Follow the instructions for each question.

Work as quickly and as carefully as you can.

If you need to do any working out, you can use the space around the question.

Some question have a method box like this:



For these questions, you may get a mark for showing your method.

If you cannot do one of the questions, go on to the next one.

You can come back to it later if you have time.

If you finish before the end, go back and check your work.

Marks

The number under each line at the side of the page tells you the maximum number of marks available for each question.

One is done for you.

543

345

534

435

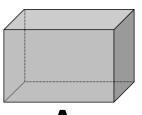
453

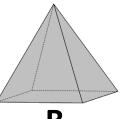
345

smallest

1 mark

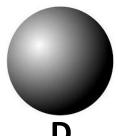
Look at these 3-D shapes.

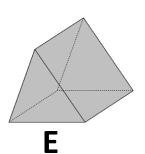




B



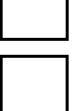


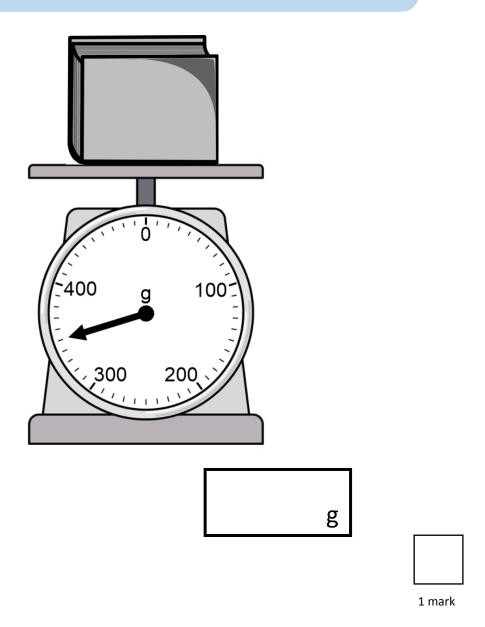


Write the **letter** of the shape that has:

9 edges

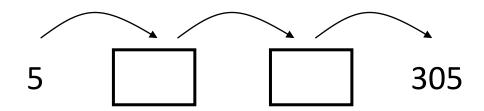
5 vertices





The numbers in this sequence increase by the same amount each time.

Write the two missing numbers.



What is the perimeter of this oblong?

Use a ruler.

cm

1 mark

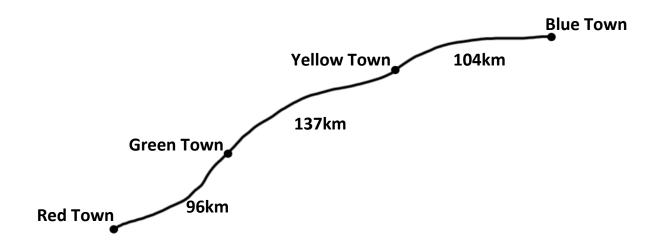
This glass contains 200ml of milk.



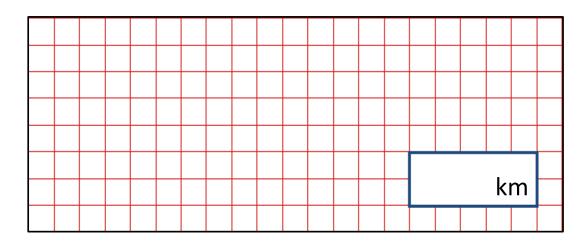
Sara drinks 95ml of milk from the glass.

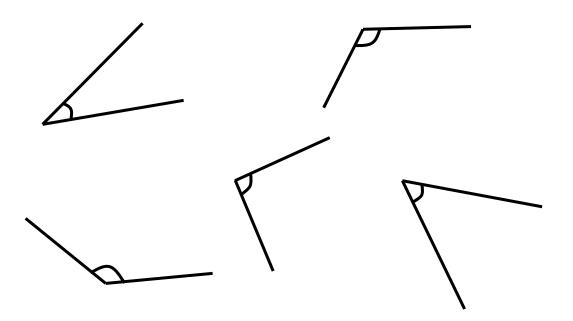
How much milk is **left** in the glass?





How many kilometres is it altogether from **Red Town** to **Blue Town**?





Tick **all** the angles that are **less** than a right angle.

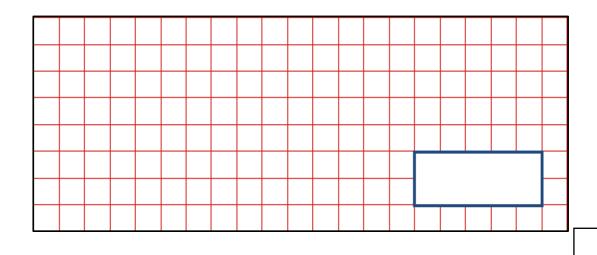


1 mark

9 Ben thinks of a number.

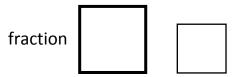
He multiplies the number by 3 and the answer is 72.

What number is Ben thinking of?





Write the number that the arrow is pointing to as a **fraction** and as a **decimal**.

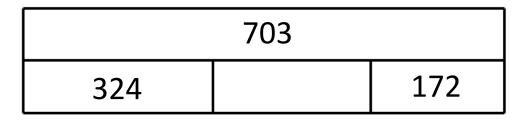


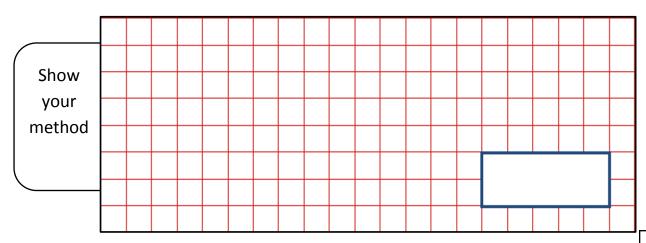
1 mark



1 mark

Calculate the missing number in the following bar model.





12

Ben is baking a cake. He puts the cake into the oven at **9:40am**.

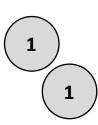
It needs to bake for 35 minutes.

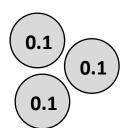
At what time does Ben need to take the cake out of the oven?



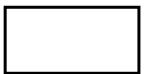
1 mark

13 Lin has made a number using place value counters.



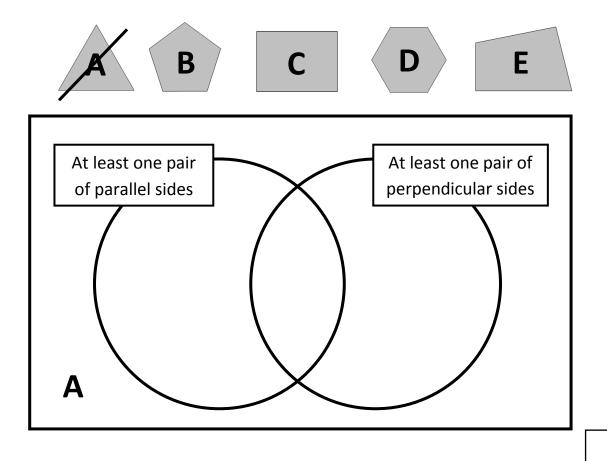


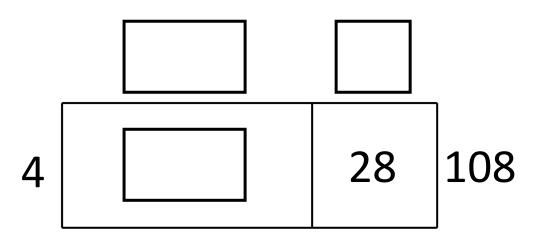
What is the number that Lin has made?



Write the letter of each 2-D shape in the correct place on the diagram.

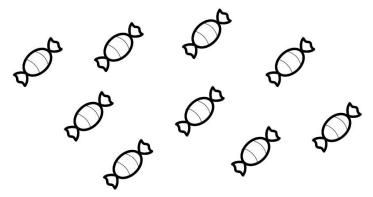
One has been done for you.





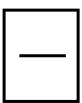
2 marks

16 Sara has nine sweets.

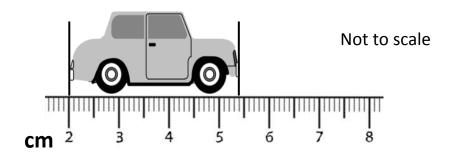


She eats three sweets and gives two sweets to her friend.

What fraction of the sweets does Sara have left?



Do not use a ruler.



______mm___

1 mark

Write the missing digits in this addition.

Use the fraction wall to identify the missing numbers in the following **equivalent fractions**.

$$\frac{\square}{3} = \frac{4}{\square}$$



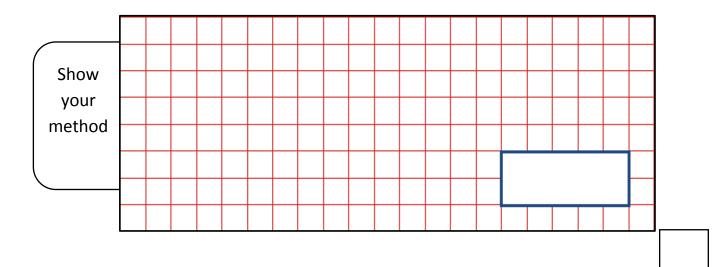
How many 100g and 10g masses does Lin need to make the scales **balance**?

100g masses	
	1 mark
10g masses	
	1 mark

Tea	£1.80	Toast	£1.50
Coffee	£2.10	Biscuit	60p
Juice	£1.20	Muffin	80p

Sara buys a tea and a muffin. She pays with a £5 note.

How much **change** does Sara get?

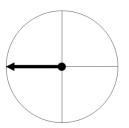






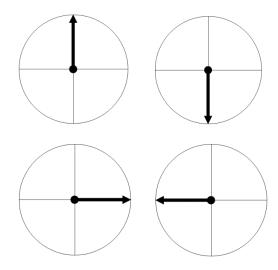
1 mark

Here is a picture with an arrow.

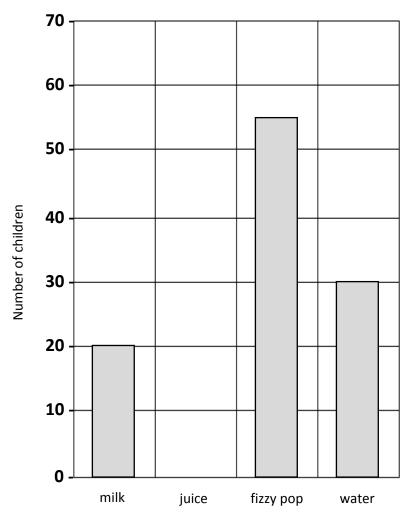


Ben turns the arrow three right angles clockwise.

Tick the picture that shows the new position of the arrow.

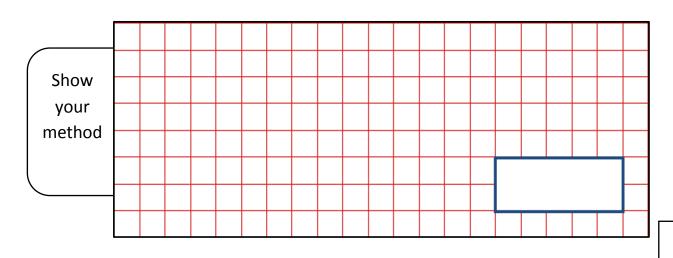


She put the information into the following graph.



The bar that represents juice is missing.

How many children chose **juice** as their favourite drink?



Lin has 5 red marbles, 2 blue marbles and 1 green marble.

Lin says, 'One quarter of the marbles are blue.'

Lin is **correct**.

Explain how you know.	
	\neg

END OF TEST