Progress check

Year 5

Mathematics

Paper 2: reasoning and problem solving

First name				
Middle name				
Last name				
Date of birth	Day	Month	Year	
Teacher				

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These assessments have been designed by the White Rose Maths Hub. For more information, please visit **www.whiterosemathshub.co.uk**





Instructions

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

Questions and answers

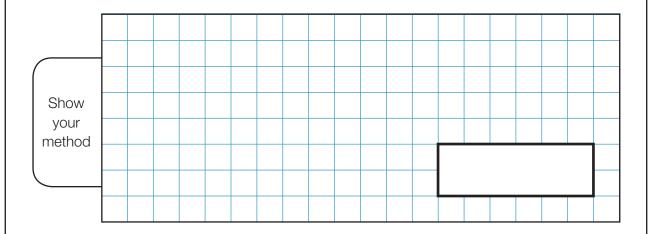
You have **35 minutes** to complete this test.

Follow the instructions for each question.

Work as quickly and as carefully as you can.

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

Some questions 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 for each question.



$$\frac{9}{10} = \frac{1}{10} = 0.$$

1 mark

2 Caroline has the following number

13.287

She adds 3 tenths to her number.

What is Caroline's new number?



2 marks

4 Use <, > or = to make the statements true.

$$\frac{1}{2}$$
 $\frac{3}{4}$

$$\frac{4}{6} \bigcirc \frac{8}{12}$$

$$\frac{2}{3}$$
 $\frac{5}{9}$

1 mark

Write a digit in each box so that both decimals round to 5.



7

Fill in the boxes.

$$5\frac{\boxed{}}{7}=\frac{37}{\boxed{}}$$

1 mark

8

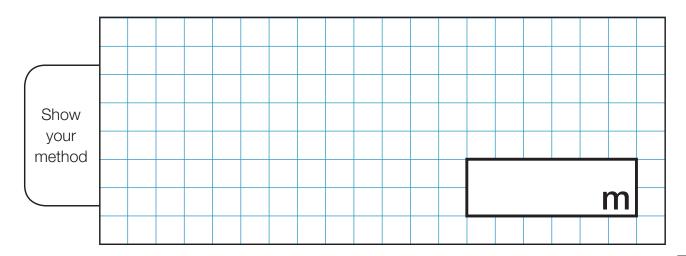
Jobe is taking part in a long jump event.



The winner jumps 6.78 metres.

Jobe jumps 1.79 metres less than the winner.

How far did Jobe jump?





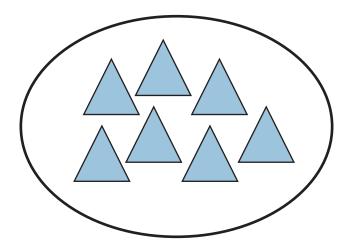
He eats $\frac{1}{3}$ of it.

How much cake is left?



Rashid is asked to circle $\frac{1}{6}$ of the triangles he is given.

Here are the triangles he circled.



He circled the correct amount.

How many triangles did he begin with?



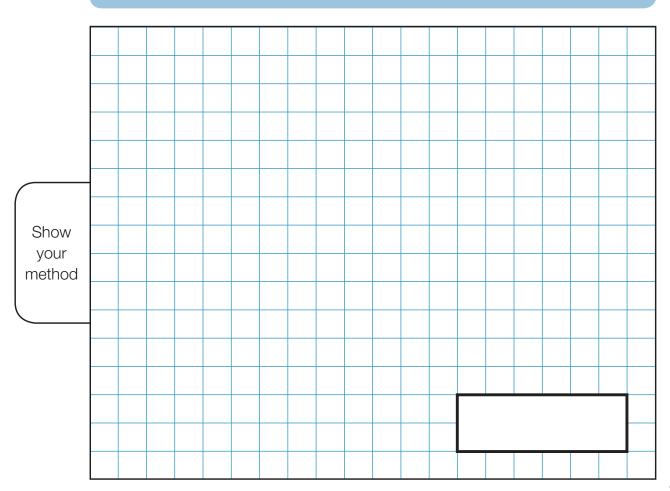
At a toy factory, every worker has to make 1,600 teddies a day.



On Monday, Clive makes $\frac{2}{5}$ of the amount needed.

On Tuesday, Clive makes $\frac{4}{5}$ of the amount needed.

How many teddies did he make altogether on Monday and Tuesday?

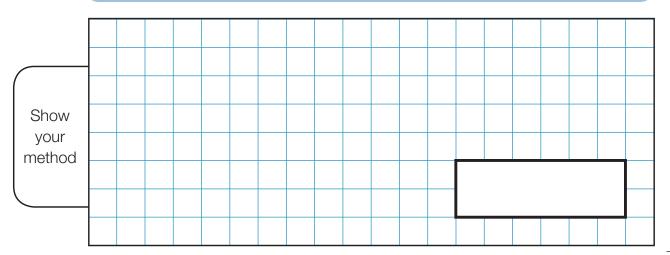




Marla spends $\frac{2}{7}$ of her weekly wage on a £120 bag.



How much does she earn in a week?

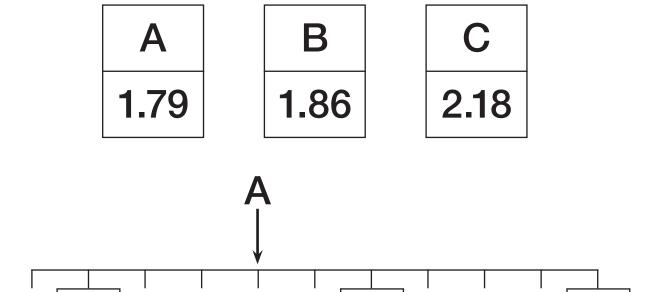


Here are three number cards.

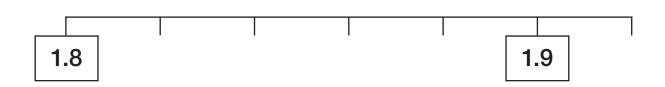
1.76

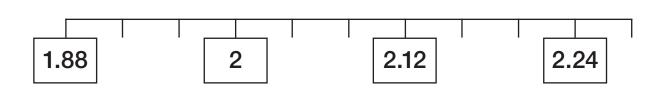
Card A has been placed on a number line.

Place B and C on the other number lines.



1.81

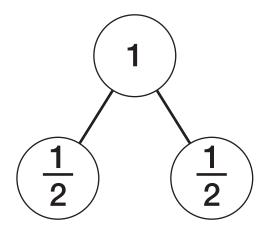




2 marks

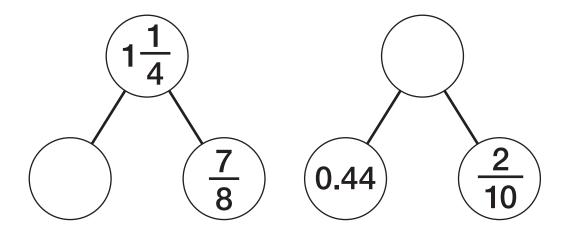
1.85

Here is a part – whole diagram.

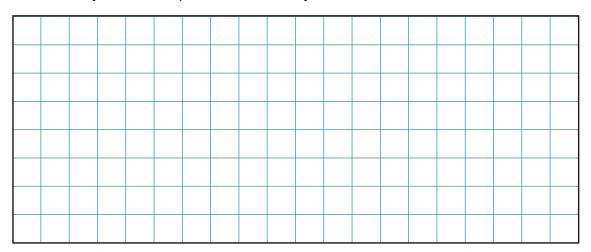


The two numbers in the bottom circles add to make the number in the top circle.

Complete the missing values in the diagrams.



You may use the space below for your calculations.



15

Fill in the missing number.

$$\frac{3}{4} - \frac{1}{8} = \frac{1}{2}$$

1 mark

16

Tick (\checkmark) the statements that are true.

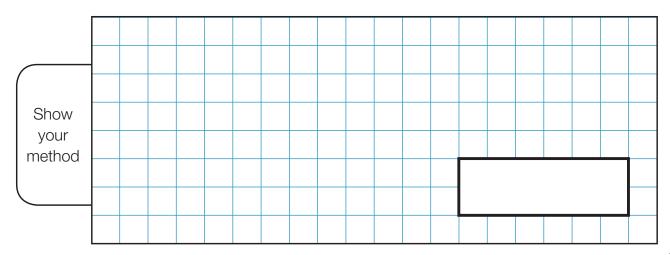
1 mark

Paul has 36 sweets.

On Friday, he eats $\frac{1}{4}$ of his sweets and gives 2 to his sister.

On Saturday, he eats $\frac{1}{5}$ of the remaining sweets and gives one to his mum.

How many sweets does Paul have left?



1 adult ticket = £6.25

1 child ticket = £3.75

A family ticket for 2 adults and 2 children costs £22.50

Zara says:



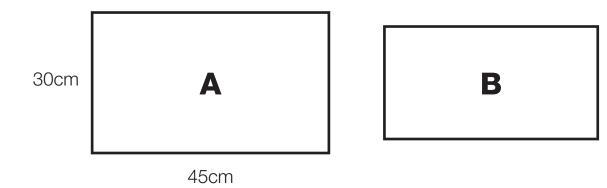
Do you agree?

Circle your answer

Yes No

Explain your answer.

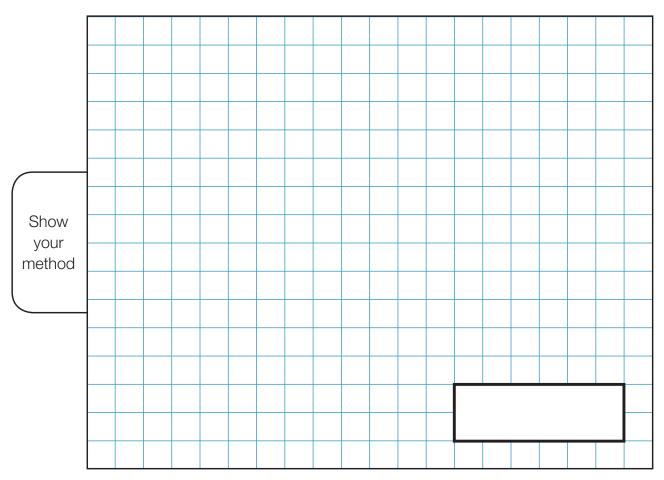
Here are two rectangles.



The length of $\bf B$ is 10% less than the length of $\bf A$.

The width of **B** is 20% less than the width of **A**.

What is the perimeter of rectangle **B**?



3 marks

END OF TEST





