

Autumn progress check

Year 4

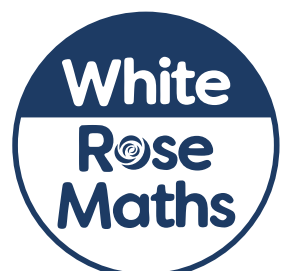
Mathematics

Paper 2: reasoning and problem solving

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

This progress check has been designed by White Rose Maths.
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ISBN 978-1-80478-016-9



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Instructions

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

Questions and answers

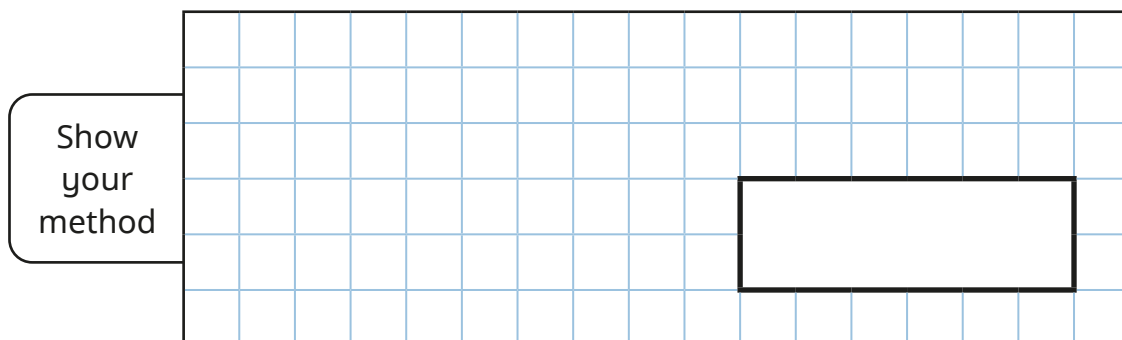
You have **50 minutes** to complete this paper.

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.

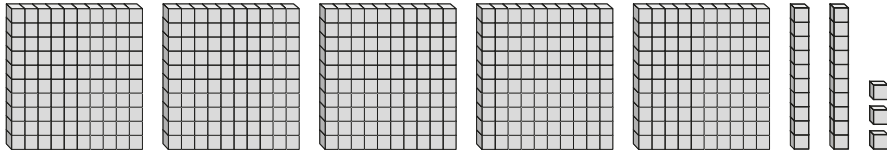
If you finish before the end, **go back and check your work.**

Marks

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

1

Jack makes this number.



Write Jack's number in numerals.

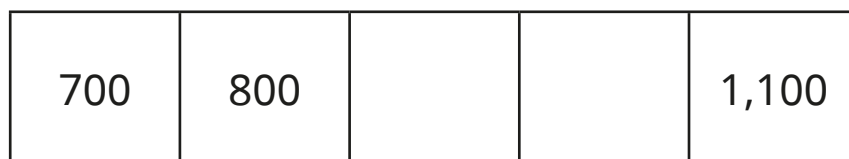
1 mark

Write Jack's number in words.

1 mark

2

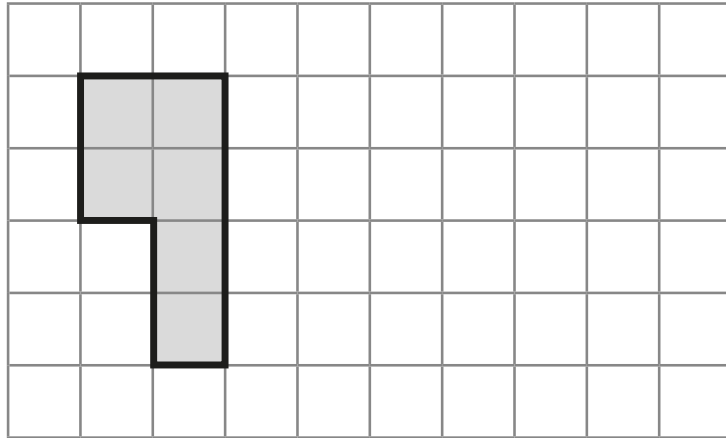
Complete the number track.



1 mark

3

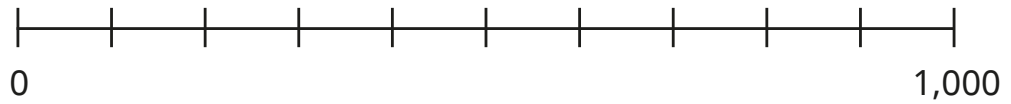
Draw a shape that has a smaller area than the shaded shape.



1 mark

4

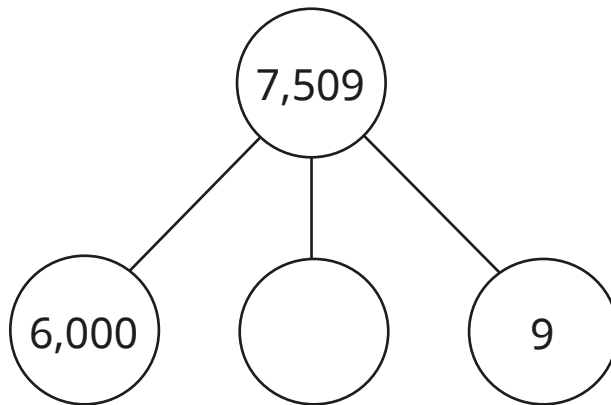
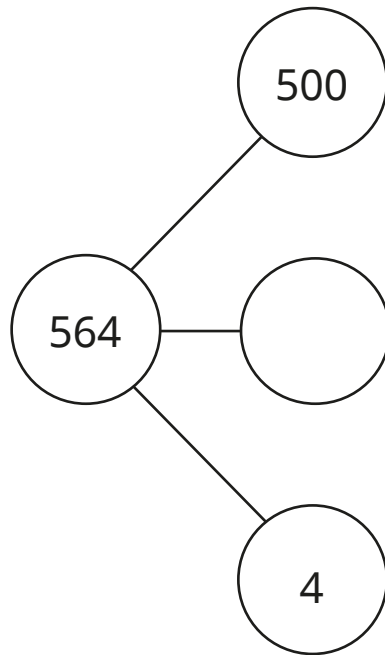
Draw an arrow to show the position of 850 on the number line.



1 mark

5

Complete the part-whole models.



2 marks

6

Alex correctly completes the calculation

$$350 + 125 = 475$$

Tick the calculations that Alex could complete to check her answer.

$$475 + 125$$

$$475 - 125$$

$$125 + 475$$

$$475 - 350$$

1 mark

7

Ron has £50

He buys five books costing £3 each.

He then buys three books costing £4 each.

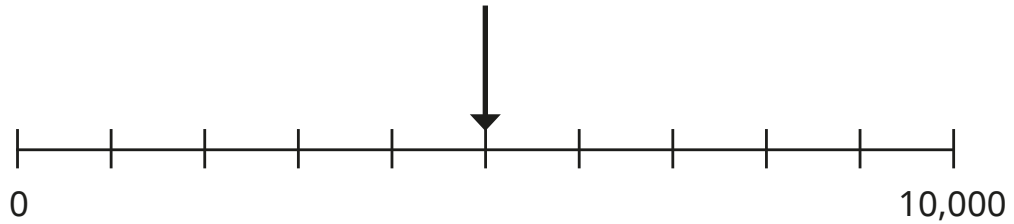
How much money does Ron have left?

Show
your
method

The grid is 20 units wide and 10 units high. A smaller empty box is located in the bottom right corner of the grid, measuring 6 units wide and 2 units high.

2 marks

8



Annie says, "The arrow is pointing to 500"

Is Annie correct?

Circle your answer.

Yes

No

Explain how you know.

1 mark

9

Here are some numbers written in Roman numerals.



Tick the greatest number.

1 mark

10

Complete the number sentences.

$$10 \times 3 = 6 \times \square$$

1 mark

$$500 - 50 = \square + 50$$

1 mark

$$8 \times 2 \times 3 = 3 \times \square \times 4$$

1 mark**11**Write $<$, $>$ or $=$ to make the statements correct.

$$2,019 \bigcirc 2 \text{ thousands, } 1 \text{ hundred and } 9 \text{ ones}$$

1 mark

$$4,000 \text{ more than } 540 \bigcirc 3,000 \text{ less than } 6,540$$

1 mark

14

Eva and Mo are playing a game.

Eva scores 2,570 points.

Mo scores 1,150 fewer than Eva.

How many points do they score altogether?

Show
your
method

A large grid for showing the method to solve the problem. A small empty rectangular box is provided for the final answer.

2 marks

15

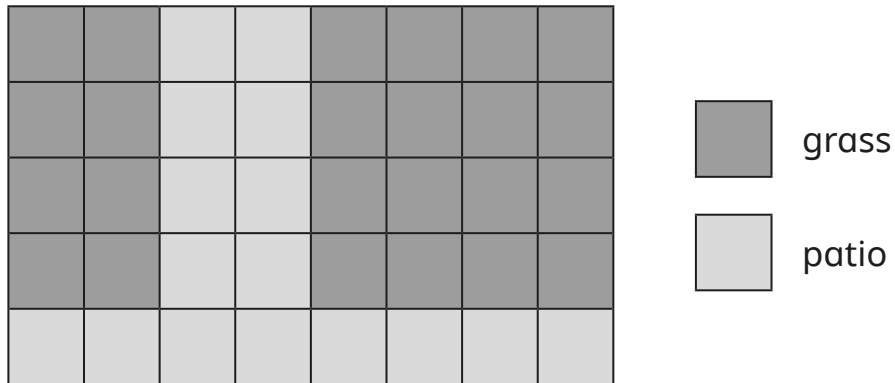
Complete the table.

Number	1,005
Rounded to the nearest 10	
Rounded to the nearest 100	
Rounded to the nearest 1,000	

2 marks

16

Mr Lee has made a map of his garden.



What is the area of Mr Lee's garden?

squares

1 mark

How much more of Mr Lee's garden is grass than patio?

squares

2 marks

END OF PAPER

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