Spring Progress Check

Year 3

Mathematics

Paper 2: reasoning and problem solving

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

These assessments have been designed by White Rose Maths.
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White Rose Maths

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.

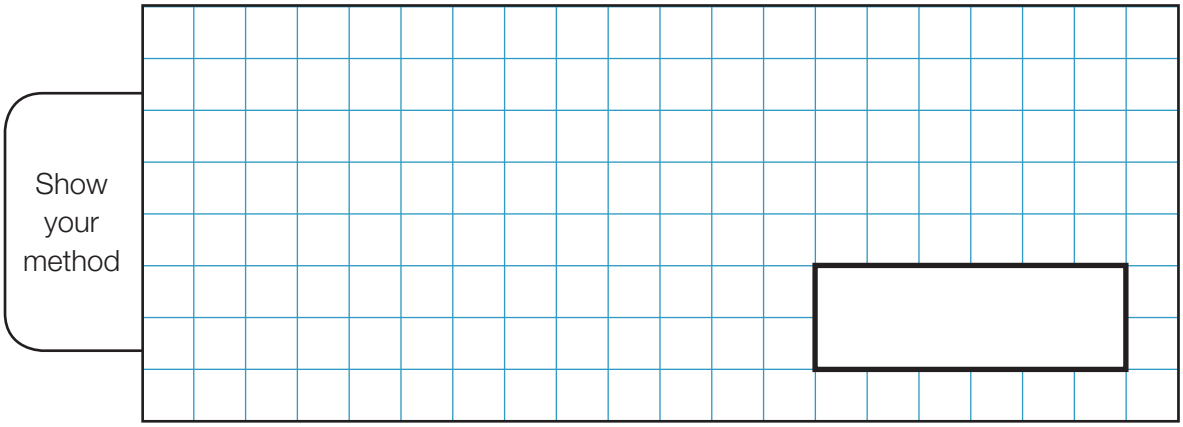
Follow the instructions for each question.

Work as quickly and as carefully as you can.

For this assessment you will require a ruler.

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

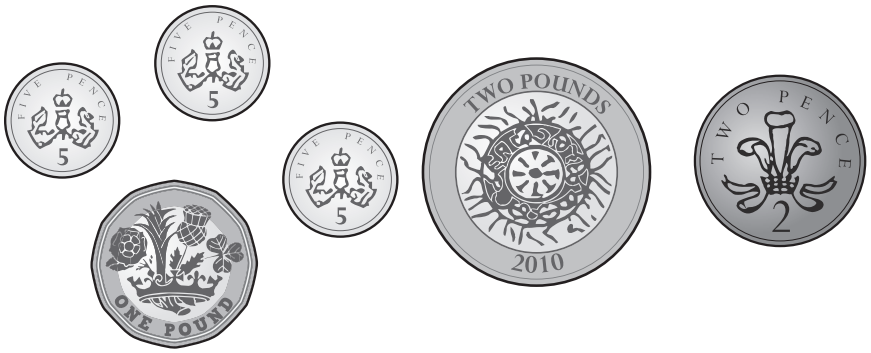
The number under each line at the side of the page tells you the maximum number of marks for each question.

1 Complete the sequence.

$$\frac{2}{10}, \frac{3}{10}, \frac{4}{10}, \frac{5}{10}, \frac{\square}{\square}, \frac{\square}{\square}$$

1 mark

2 Here are some coins.



How much money is there altogether?

£	and	p

1 mark

3 Year 3 vote for their favourite fruit.

Favourite fruit	Tally
 Grapes	𝍸 𝍸 𝍸 𝍸
 Pear	𝍸 𝍸 ||||
 Peach	𝍸 ||
 Banana	𝍸 𝍸 𝍸 |||

How many children vote for bananas?

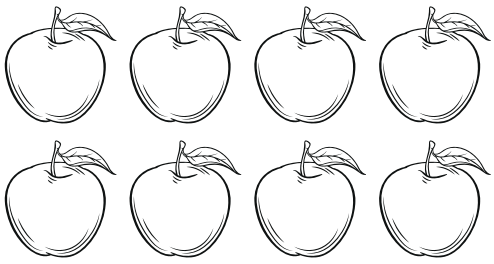
1 mark

6 more children vote for pear.

Add this information to the tally chart.

1 mark

4 Circle $\frac{3}{4}$ of the apples.

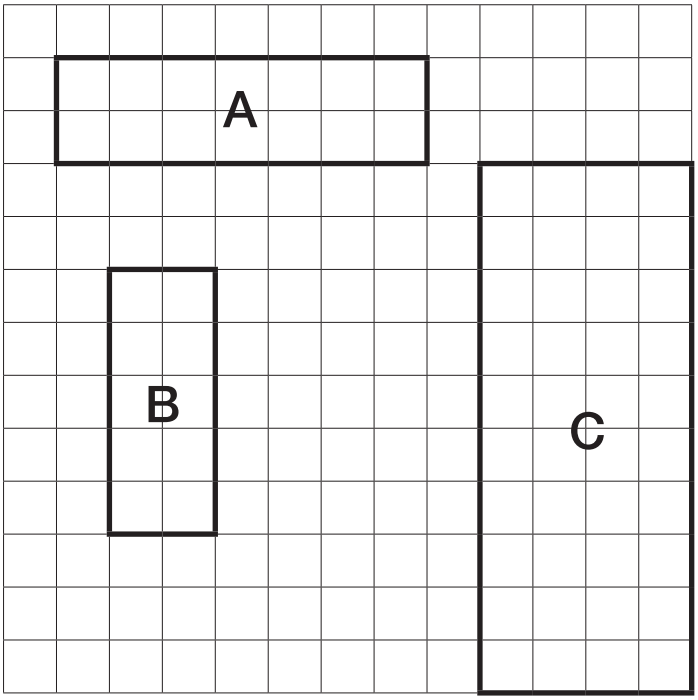


1 mark

5 Max is measuring the perimeter of a rectangle.

Here is his working out.

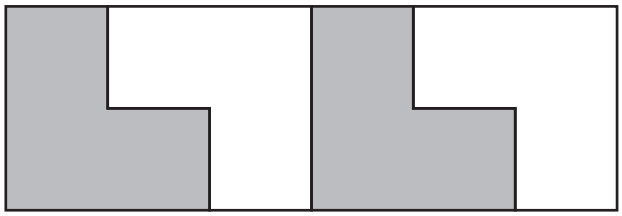
$$5 + 5 + 2 + 2$$

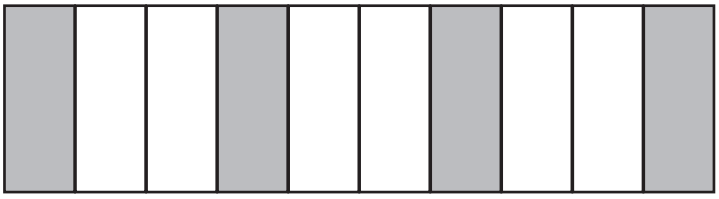


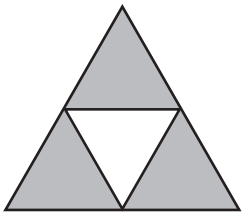
Which rectangle did he measure?

1 mark

6 What fraction of each shape is shaded?







2 marks

7 Complete the boxes.

3 m = ☐ cm

50 mm = ☐ cm

☐ mm = 12 cm

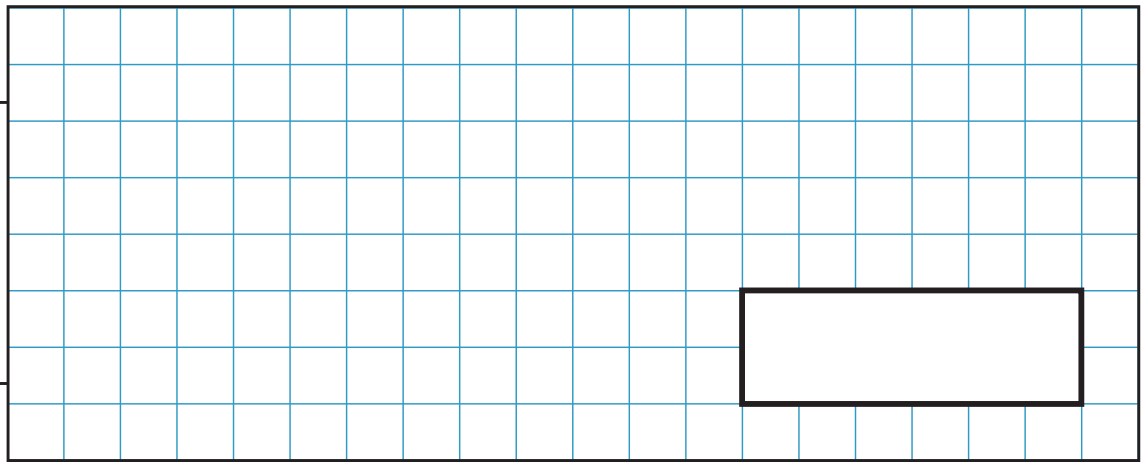
2 marks

8 Kim is using place value counters to calculate 24 × 3

Tens	Ones
10 10	1 1 1 1
10 10	1 1 1 1
10 10	1 1 1 1

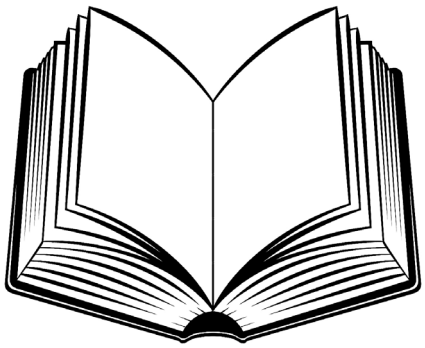
Calculate the answer to Kim's multiplication.

Show your method



2 marks

9 There are 52 books left over from a book sale.



Tim, Abdul and Rory are given 4 books each.

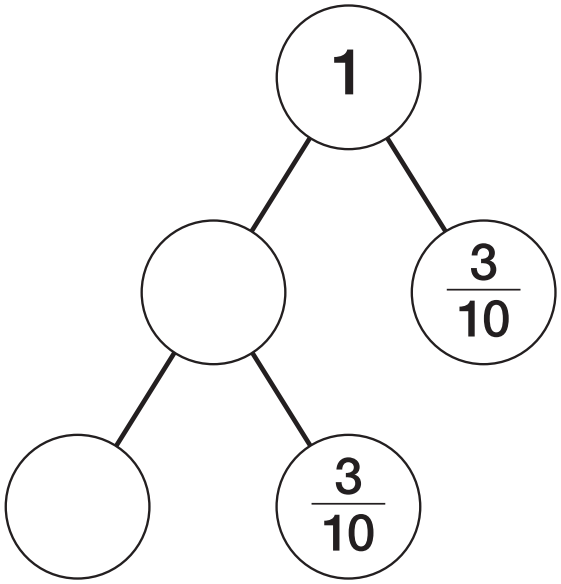
The rest of the books are shared equally between 5 classes.

How many books does each class receive?

books

2 marks

10 Complete the part-whole model.



1 mark

11 Here are three number cards.

79	97	132

What is the difference between the smallest and largest numbers?

Show your method

2 marks

12 The height of a door is about _____ .

Circle the most appropriate estimate.

2 m

2 cm

20 m

20 cm

1 mark

13 Kate saves £594

Tom saves £326 less than Kate.

How much money do they save altogether?

£

2 marks

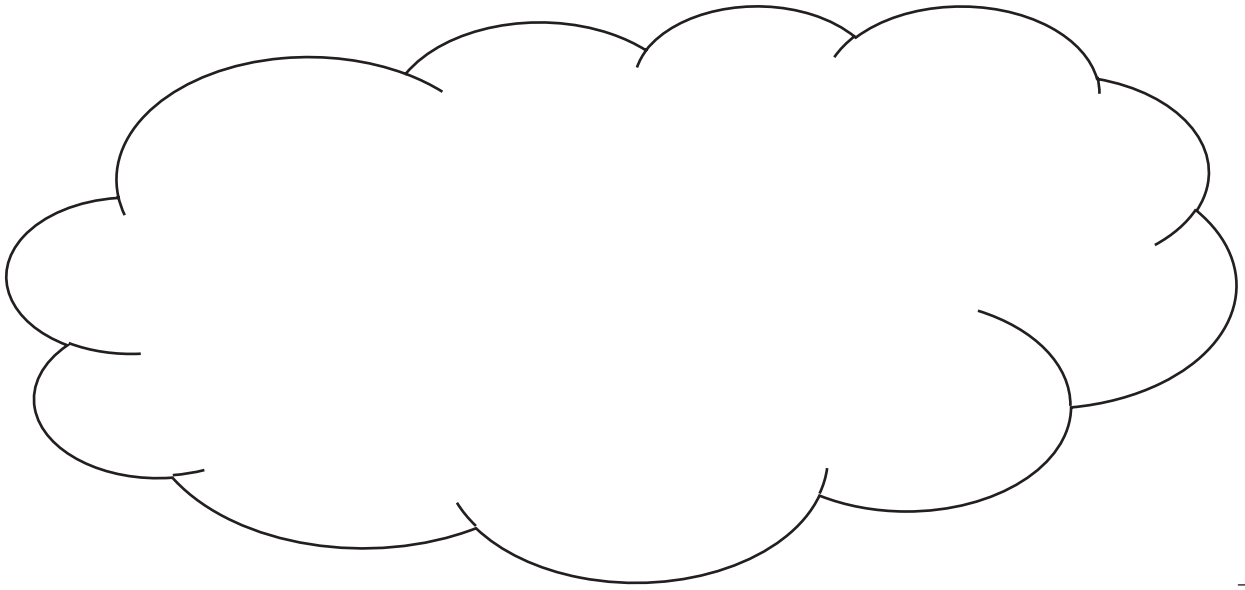
14 Sophie says,

"50 cm is greater than 1 m."

Is she correct?

Yes **No**

Explain your reasoning.



1 mark

15 There are four times as many men as women on a train.

There are 14 women.

How many men and women are there altogether on the train?

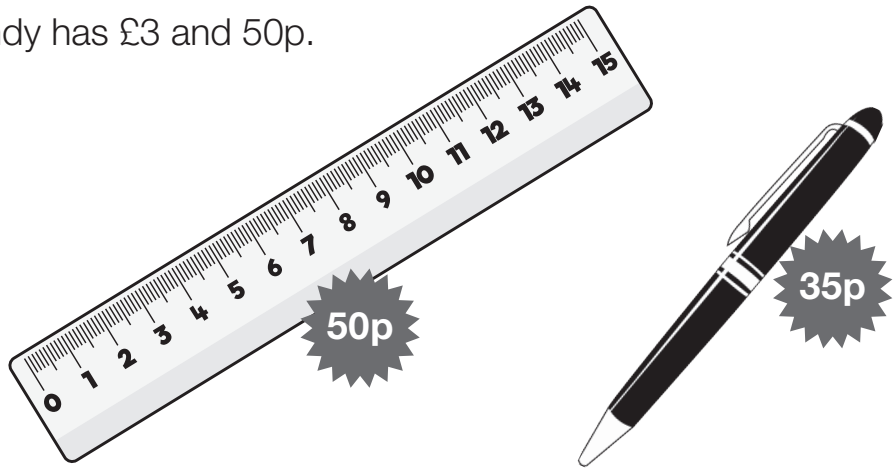
2 marks

16 Put a digit in each box to make the calculation correct.

$$\begin{array}{r} 2\ 4\ \square \\ -\ 1\ 3\ 5 \\ \hline 1\ \square\ 6 \\ \hline \end{array}$$

1 mark

17 Sandy has £3 and 50p.



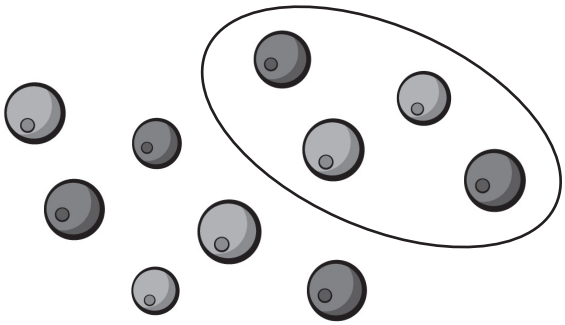
She buys one ruler and two pens.

How much money does she have left?

£	and	p

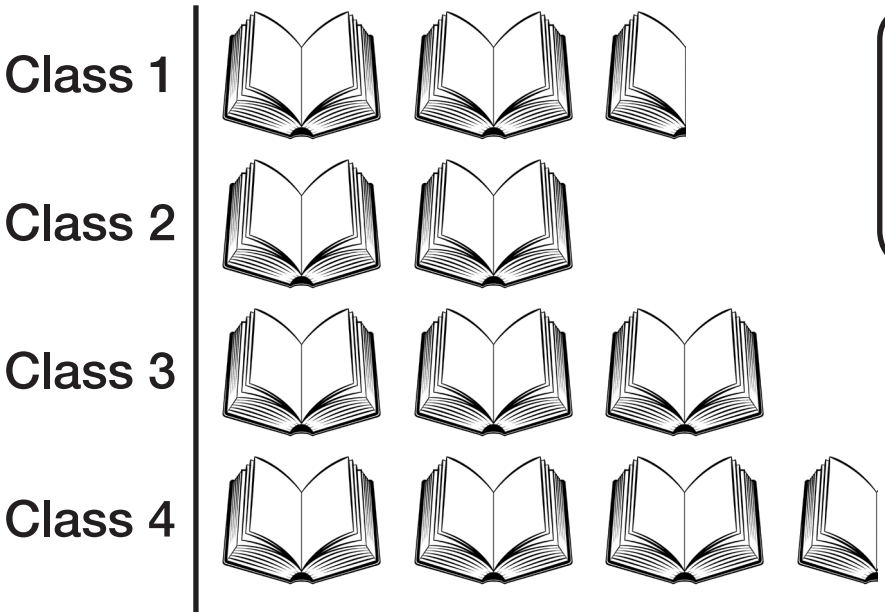
2 marks

18 What fraction of the beads are circled?



1 mark

19 Four classes are collecting book tokens.



Two classes put their tokens together.

Together, they have 500 tokens.

Which two classes have put their tokens together?

Class ☐ and Class ☐

1 mark

20 There are 9 chickens and some sheep in a farmyard.

Each chicken has 2 legs.

Each sheep has 4 legs.

There are 42 legs altogether.

How many sheep are there?

2 marks

END OF TEST

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Please do not write on this page.