

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.
For more information, please visit www.whiterosemaths.com



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:

Show your method

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

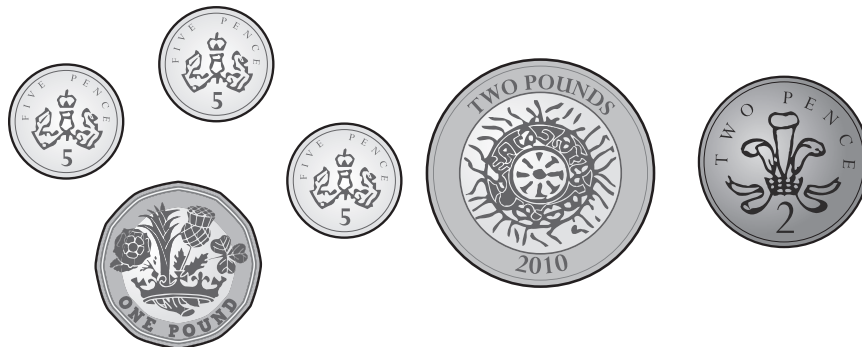
Complete the sequence.

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

1 mark

2

Here are some coins.







How much money is there altogether?

£	and	p
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1 mark

3

Year 3 vote for their favourite fruit.

Favourite fruit	Tally
 Grapes	
 Pear	
 Peach	
 Banana	

How many children vote for bananas?

1 mark

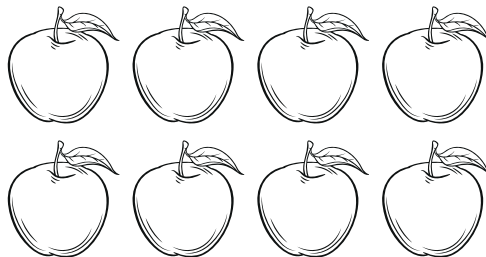
6 more children vote for pear.

Add this information to the tally chart.

1 mark

4

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



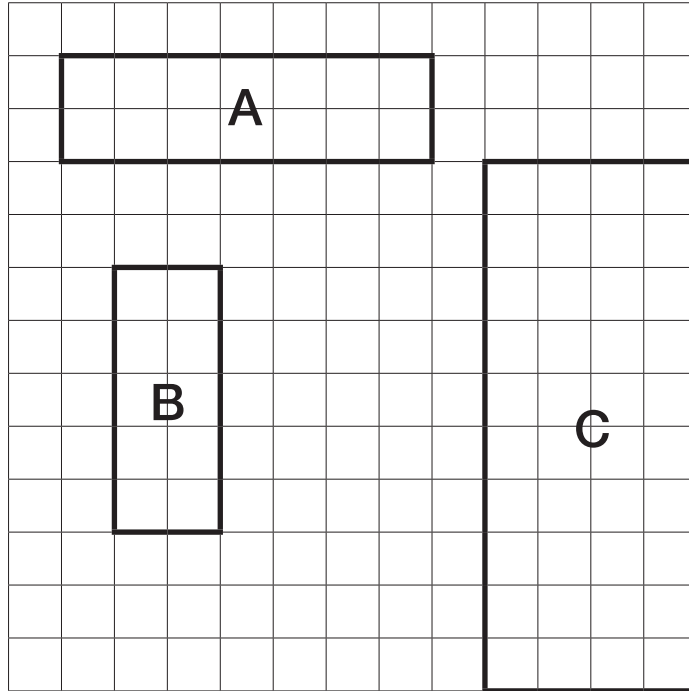
1 mark

5

Max is measuring the perimeter of a rectangle.

Here is his working out.

$$5 + 5 + 2 + 2$$

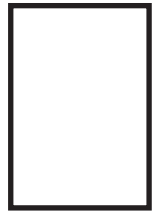
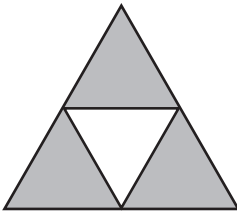
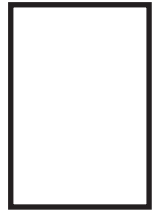
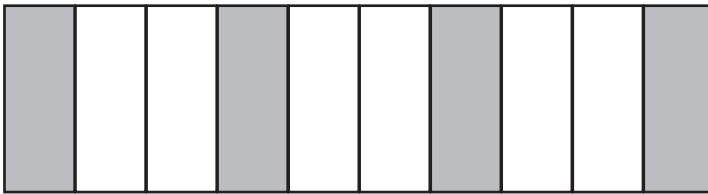
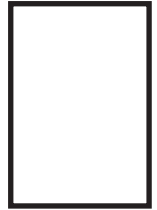
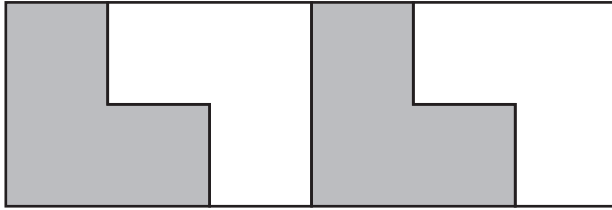


Which rectangle did he measure?

1 mark

6

What fraction of each shape is shaded?



2 marks

7

Complete the boxes.

$$3 \text{ m} = \boxed{} \text{ cm}$$

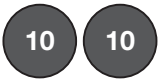
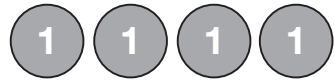
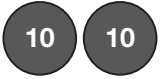
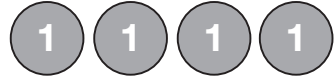
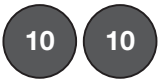

$$50 \text{ mm} = \boxed{} \text{ cm}$$

$$\boxed{} \text{ mm} = 12 \text{ cm}$$

2 marks

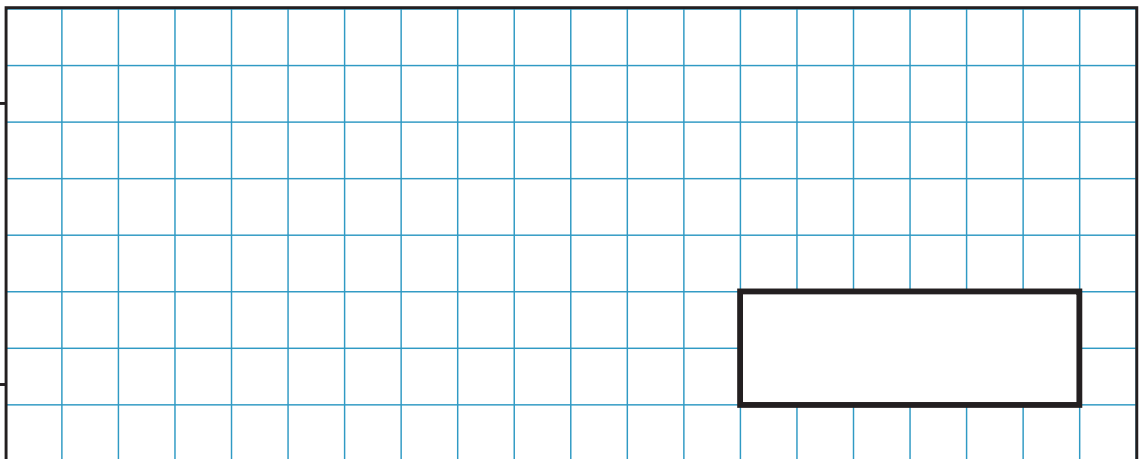
8

Kim is using place value counters to calculate 24×3

Tens	Ones
	
	
	

Calculate the answer to Kim's multiplication.

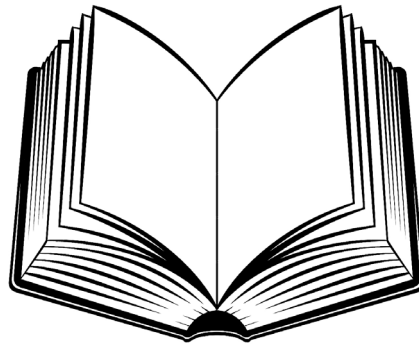
Show
your
method



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

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,

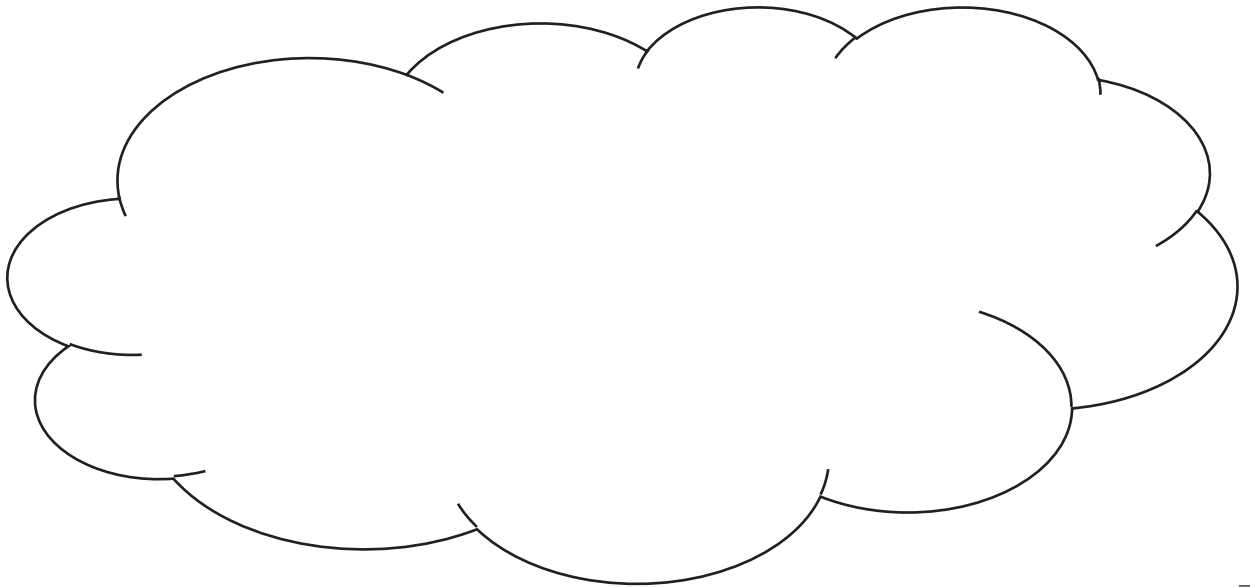
“50 cm is greater than 1 m.”

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

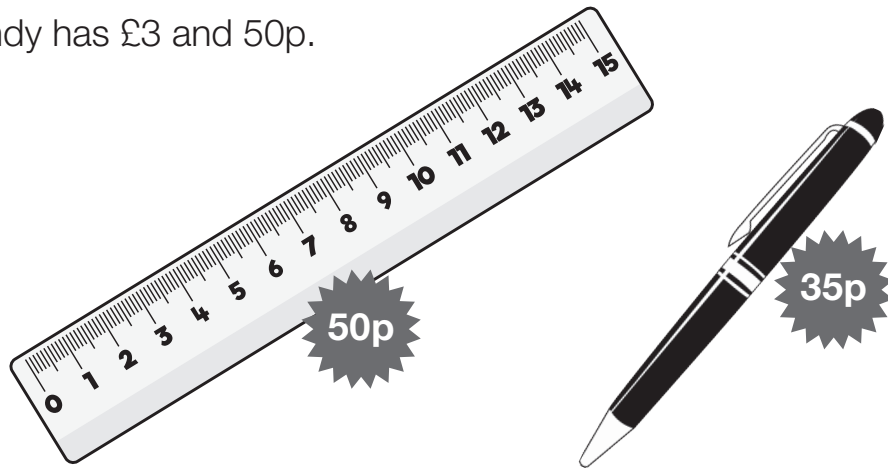
Put a digit in each box to make the calculation correct.

$$\begin{array}{r} 24\boxed{} \\ - 135 \\ \hline 1\boxed{}6 \\ \hline \end{array}$$

 1 mark

17

Sandy has £3 and 50p.



She buys one ruler and two pens.

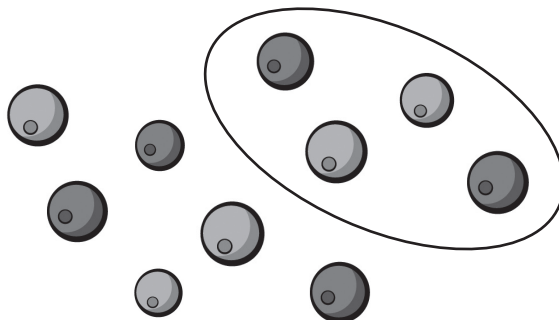
How much money does she have left?

£ and p

2 marks

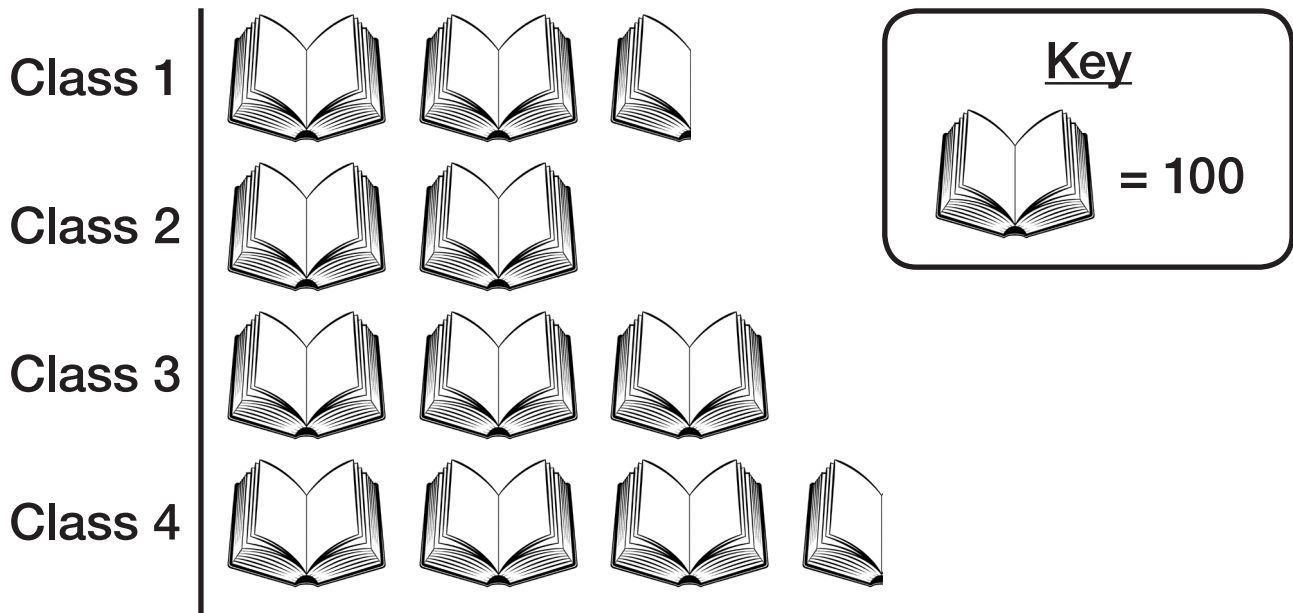
18

What fraction of the beads are circled?



1 mark

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.