

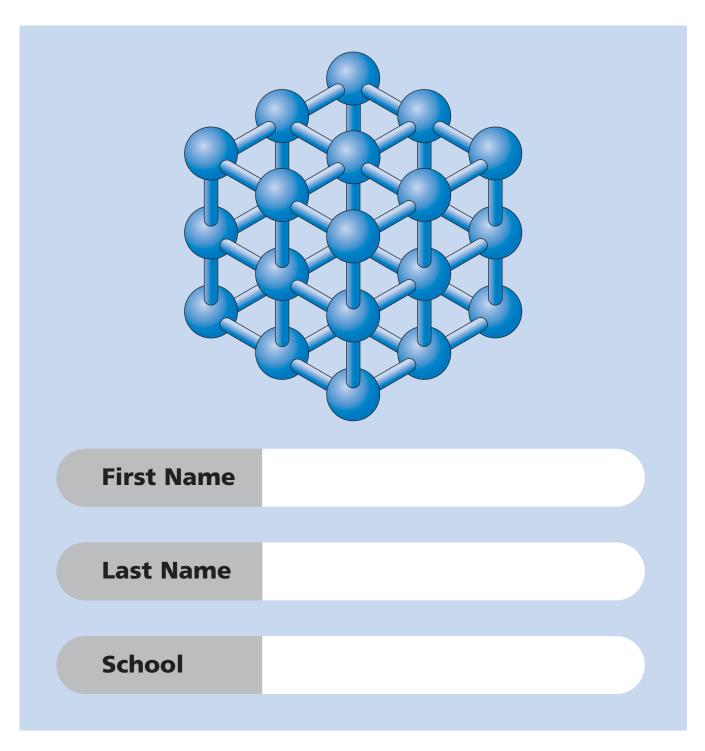
**KEY STAGE 2 2005** 

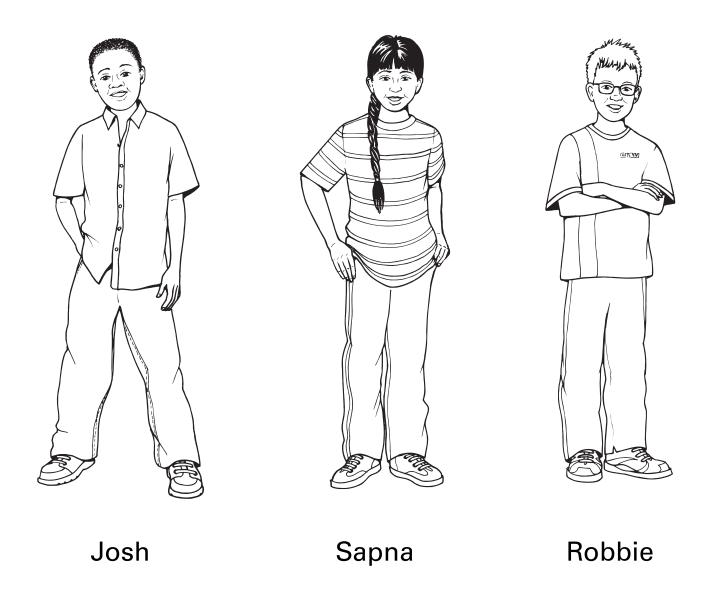
TEST B LEVELS 3-5

CALCULATOR ALLOWED

PAGE	MARKS
5	
7	
9	
11	
13	
15	
17	
19	
21	
TOTAL	

BORDERLINE	
CHECK	





## Instructions

You may use a calculator to answer any questions in this test.

Work as quickly and as carefully as you can.

You have 45 minutes for this test.

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.

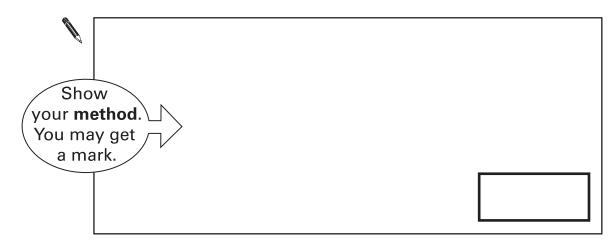
If you finish before the end, go back and check your work.

## Follow the instructions for each question carefully.

This shows where you need to put the answer.

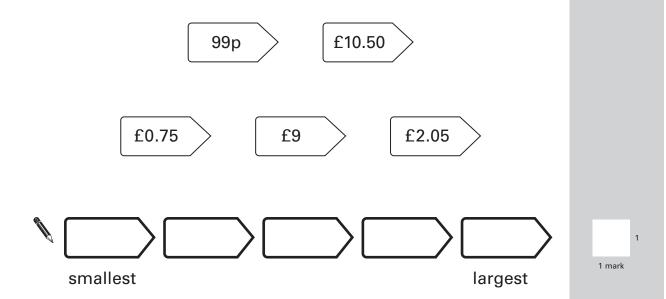
If you need to do working out, you can use any space on a page.

## Some questions have an answer box like this:



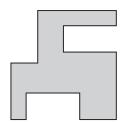
For these questions you may get a mark for showing your method.

Write these prices in order from smallest to largest.

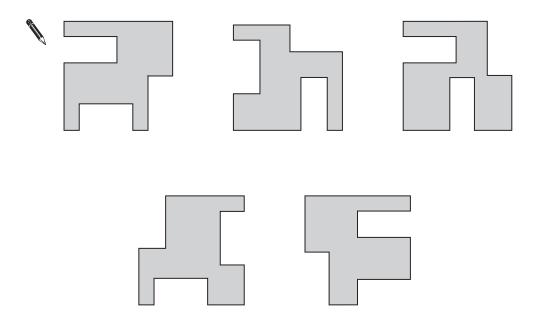


Circle the numbers that add up to 100





Put a tick  $(\checkmark)$  on the shape below which is the same as the one above.



These are the prices of coconuts and bananas.



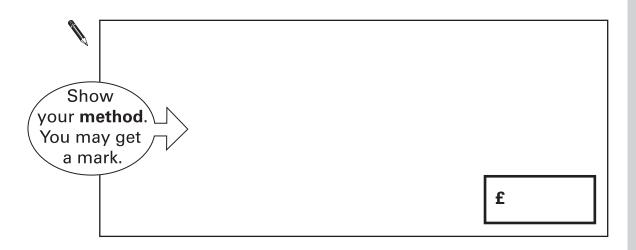
coconuts 78p each



bananas £1.20 for 1kg

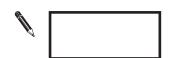
Josh buys one coconut and half a kilogram of bananas.

How much does he spend altogether?



Oranges cost 25p each.

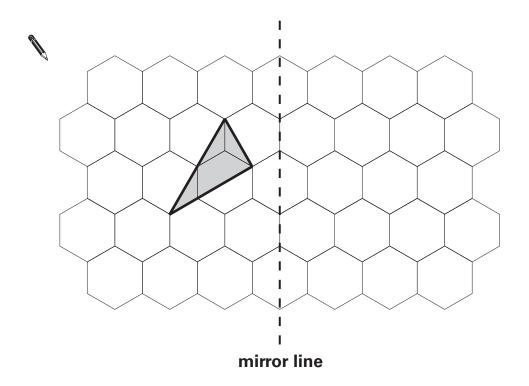
How many oranges can Josh buy for £1.50?



4b

This grid is made of hexagons.

Draw the reflection of the shaded shape on the grid.



Ę

1 mark

6 Each missing digit in these calculations is 2, 5 or 7

Write in the missing digits.

You may use each digit more than once.

1 mark

x 3 =

7

This table shows information about four solid shapes.

Complete the table.

One has been done for you.

	number of <b>flat</b> surfaces	number of <b>curved</b> surfaces
sphere	0	1
cone		
cuboid		
cylinder		

7i 7ii

2 marks

8

A shop sells different kinds of greeting cards.



This pictogram shows how many they sold in a week.



stands for 100 cards

Birthday cards









Thank You cards









Get Well cards



Estimate how many Birthday cards were sold.





Estimate how many more Thank You cards than Get Well cards were sold.

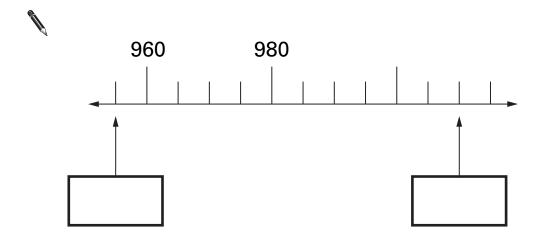


- 1			



Here is part of a number line.

Write the two missing numbers in the boxes.



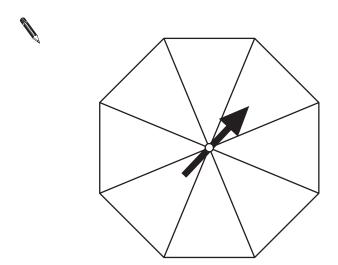
9 1 mark

1 mark

10

Here is a spinner which is a regular octagon.

Write 1, 2 or 3 in each section of the spinner so that 1 and 2 are equally likely to come up and 3 is the least likely to come up.



10ii 10ii 2 marks

Josh thinks of a number.

He adds 4

He multiplies his result by 3

Then he takes away 9

His final answer is 90



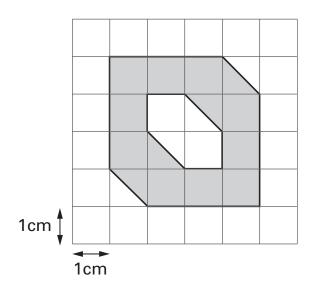
What number did Josh start with?



1 mark

Here is a 1cm square grid.

Some of the grid is shaded.



What is the area that is shaded?





Sapna and Robbie have some biscuits.

Altogether they have 14 biscuits.

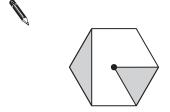
Sapna has 2 more biscuits than Robbie.

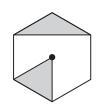
How many biscuits do Sapna and Robbie each have?



This pattern is made by turning a shape clockwise through 90° each time.

Draw the two missing triangles on the last shape.

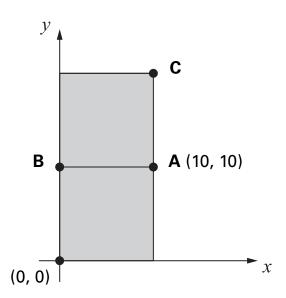






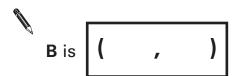
1 mark

The diagram shows two identical squares.



**A** is the point (10, 10)

What are the coordinates of **B** and **C**?



15a 1 mark

15b

•

16i

16ii

2 marks

17 multiplied by itself gives a 3-digit answer.

×

] =

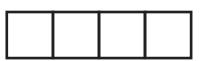
3 9

What is the **smallest** 2-digit number that can be multiplied by itself to give a **4-digit** answer?

×



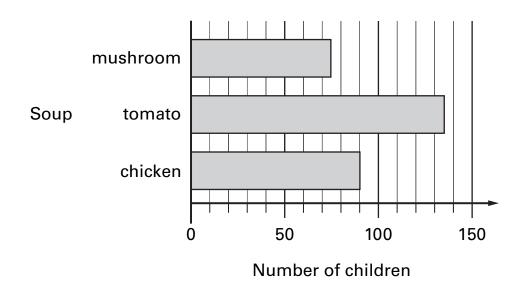
] =



17

All the children at Park School chose their favourite soup.

The graph shows the results.



How many **more** children chose **chicken** soup than **mushroom** soup?



1 mark

Robbie says,

'More than half of the children chose tomato soup'.

Is he correct? Circle Yes or No.



Explain how you can tell from the graph.


.....

18b

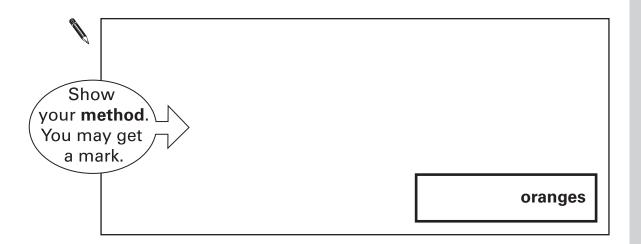


Sapna makes a fruit salad using bananas, oranges and apples.

For every one banana, she uses 2 oranges and 3 apples.

Sapna uses 24 fruits.

## How many oranges does she use?



16

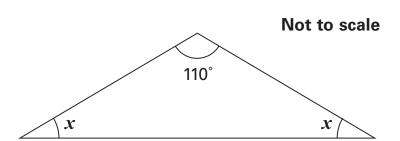
19ii

Which two of these numbers, when multiplied together, have the answer closest to 70?



1 mark

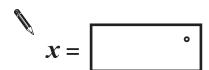
Here is an isosceles triangle.



Calculate the size of angle x.

Do **not** use a protractor (angle measurer).

17



2

1 mark

Total out of 4

On Monday all the children at Grange School each play one sport.

They choose either hockey or rounders.





There are 103 children altogether in the school.

27 girls choose hockey.

Write all this information in the table. Then complete the table.

	hockey	rounders	Total
boys	22		
girls			53
Total			



Write in the missing numbers.

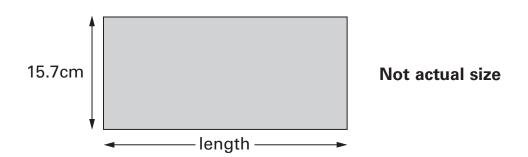
30% of 60 is

30% of is 60

23a
1 mark

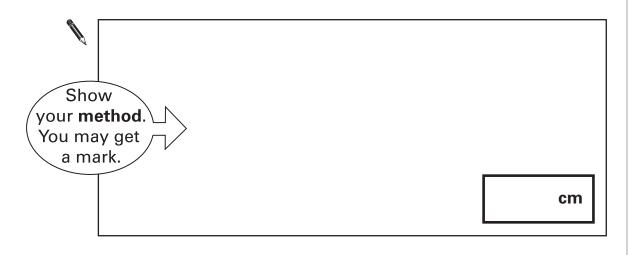
1 mark

Here is a rectangle with a width of 15.7 centimetres.



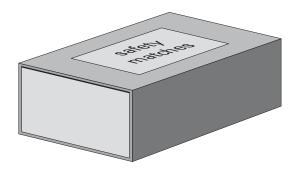
The **perimeter** of this rectangle is 85 centimetres.

Calculate the length of the rectangle.



19

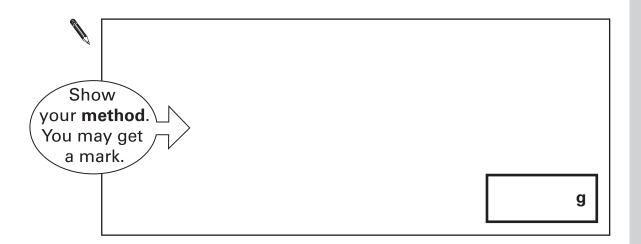
24i



A box contains 220 matches and weighs 45 grams.

The empty box weighs 12 grams.

Calculate the weight of one match.



25ii

End of test





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