Key Stage 2 2006

MATHEMATICS

Modified Large Print

Test B
Levels 3-5

CALCULATOR ALLOWED

First name _____

Last name _____

School _____

Note to markers:
This paper should be marked using the MODIFIED LARGE PRINT mark scheme amendments.



Lin



David



Rosie

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 plus your additional time allowance.

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.

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

Some questions say 'Show your method. You may get a mark.'

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

1. **Write the missing number in the box.**

$35 \times \square = 140$

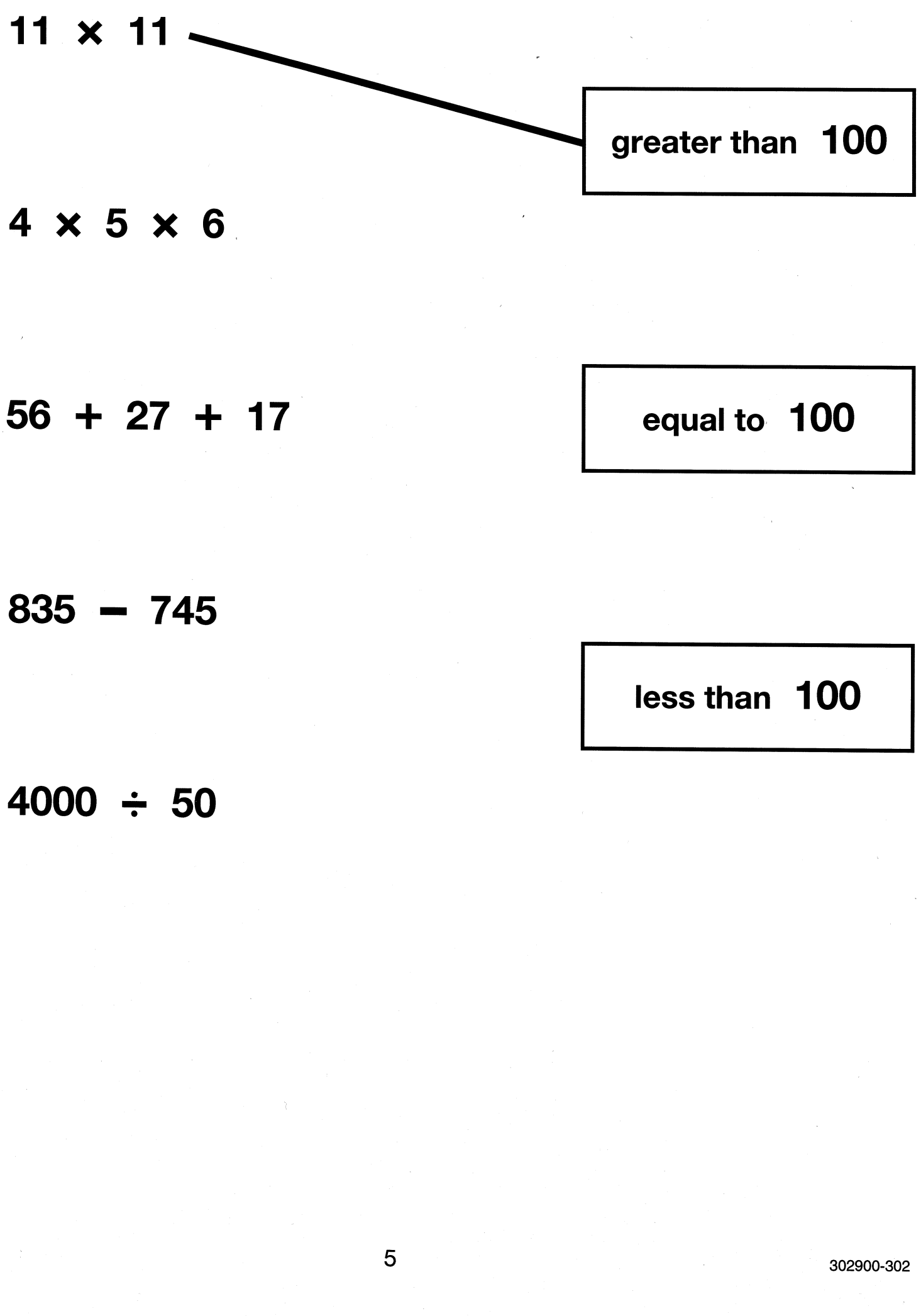
Write the missing number in the box.

$633 - \square = 34$

2. **Look at the diagram below.**

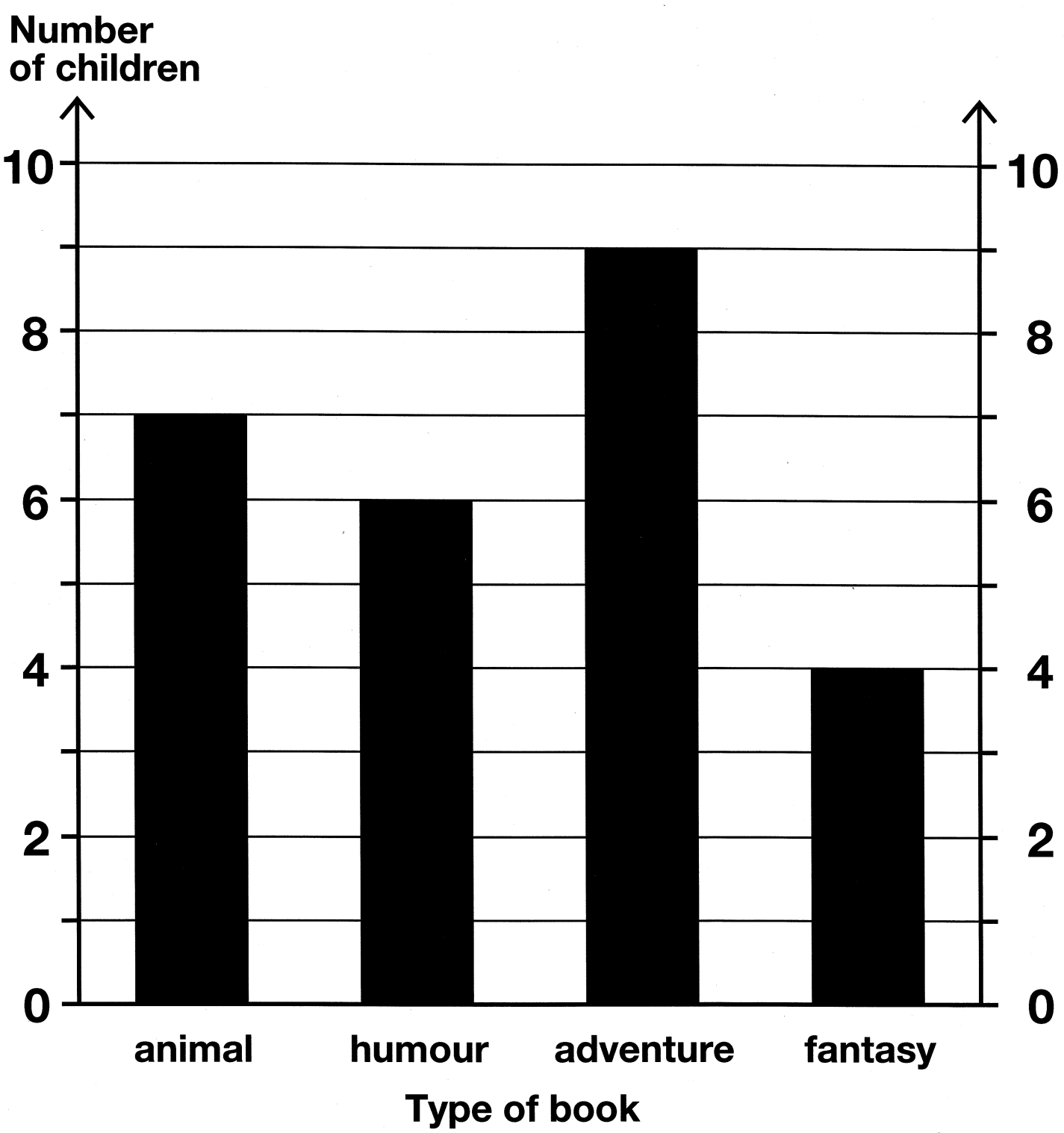
Draw one line from each calculation on the left to the correct box on the right.

One has been done for you.



3. **Class 6 did a survey of their favourite types of story book.**

Their results are shown in the bar chart below.



How many more children chose adventure books than fantasy books?

_____

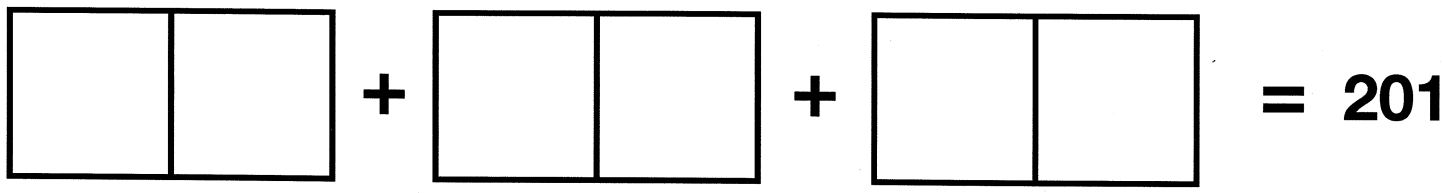
Five girls chose animal books.

How many boys chose animal books?

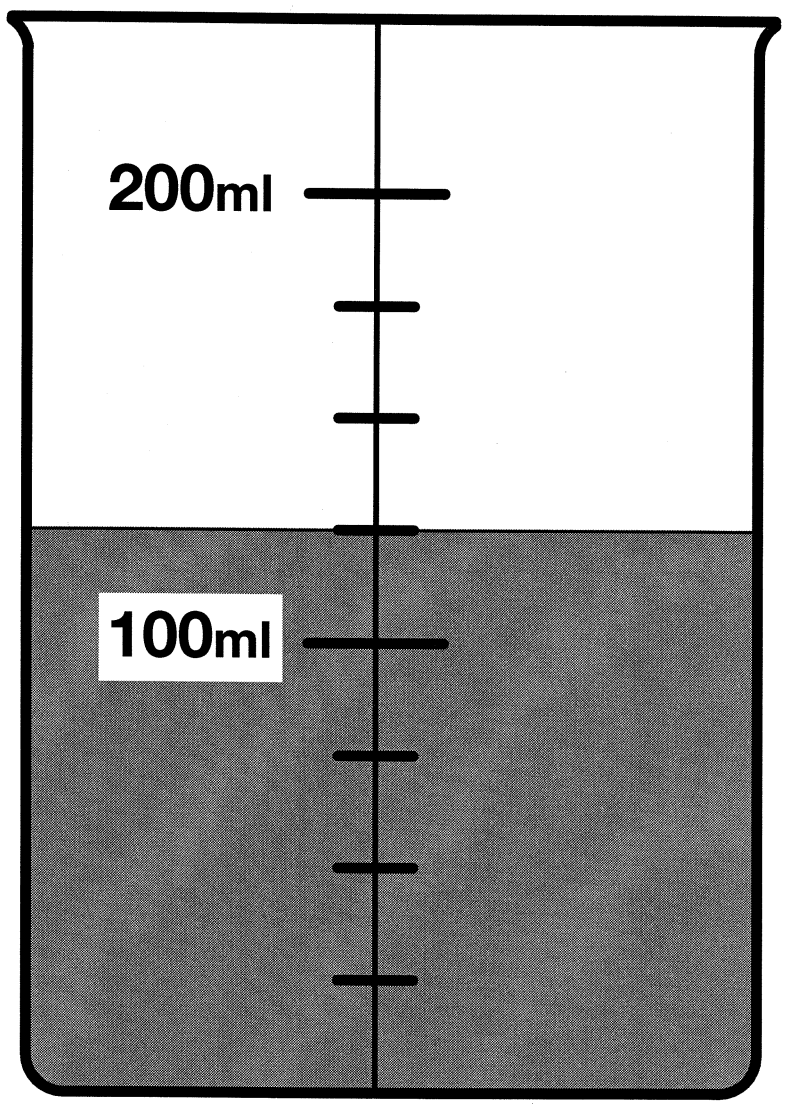
_____

4. **Each missing digit in the sum below is a 9 or a 1**

Write in the missing digits.



5. **Look at the measuring beaker below.**



How many millilitres of water are in the beaker?

_____ **ml**

6. Some prices in a shoe shop are shown below.

boots £45·50

trainers £34·99

sandals £12·75

How much more do the boots cost than the trainers?

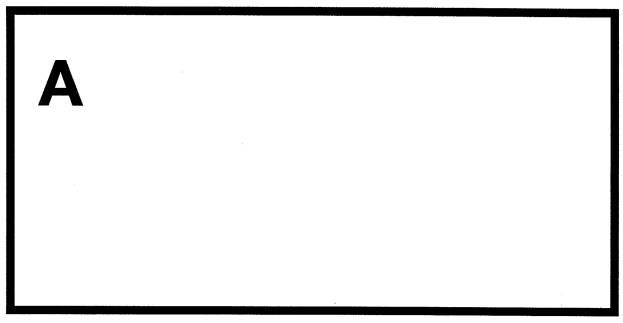
£ _____

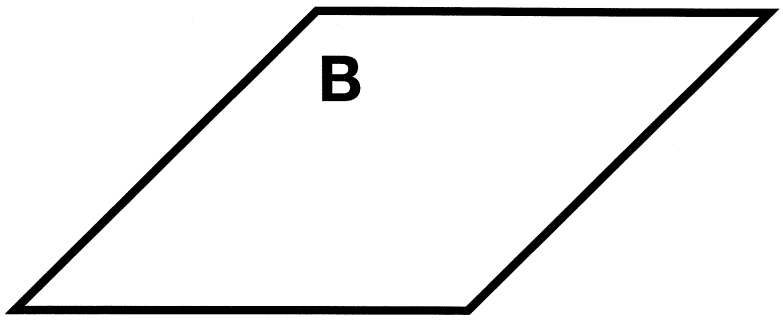
Rosie buys a pair of trainers and a pair of sandals.

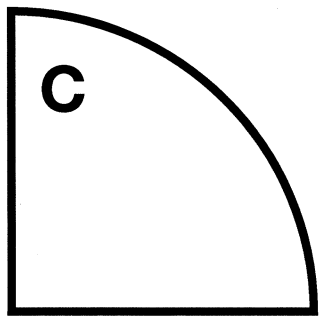
How much change does she get from £50?
Show your method. You may get a mark.

£ _____

7. **Look at the three shapes below.**
They are labelled A, B and C.







Write down the letters of the shapes that are quadrilaterals.

_____

Write down the letters of the shapes that have one or more right angles.

_____

8. **Forest School sells badges for charity.**

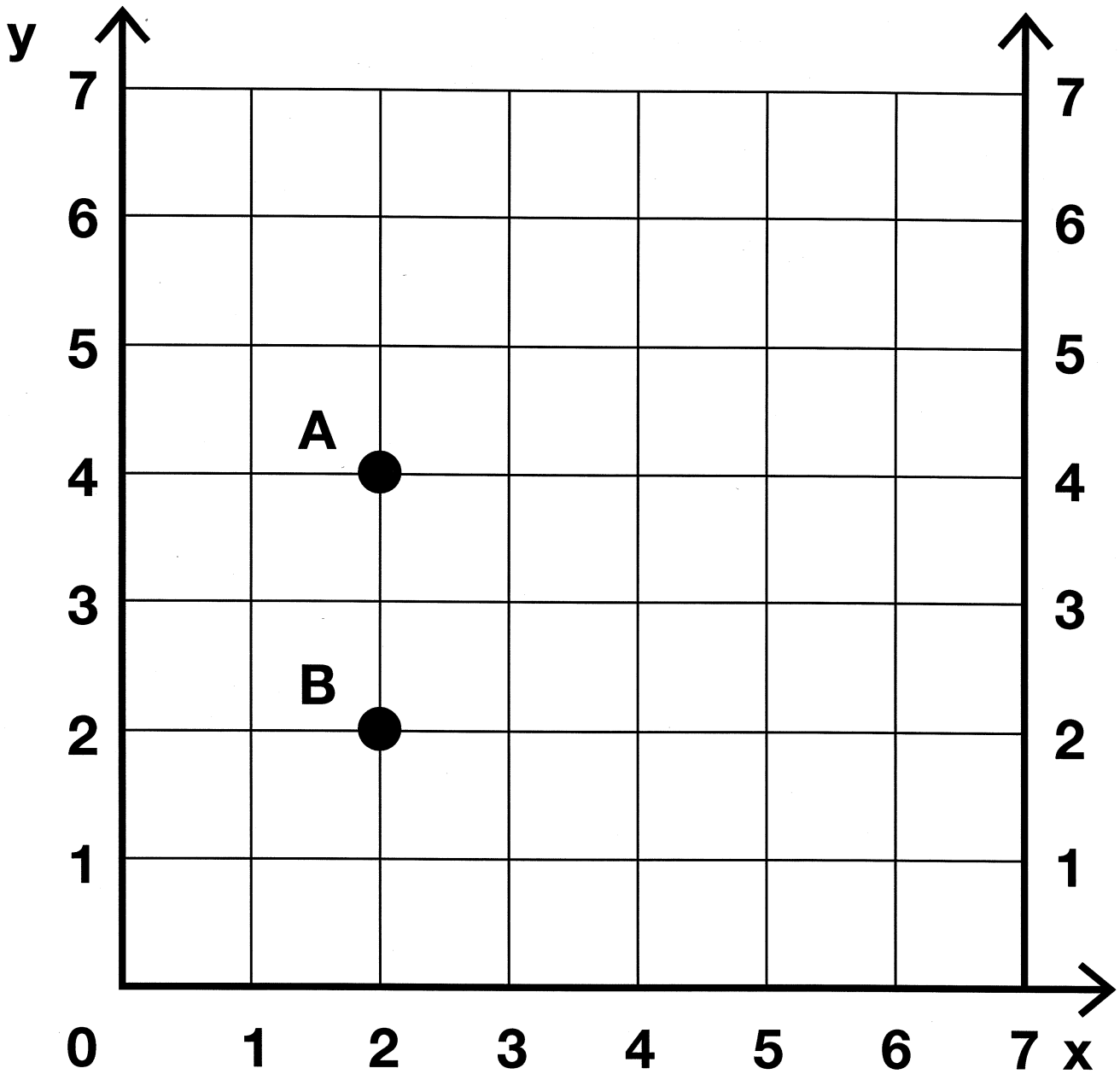
For each badge sold, £1·20 is given to a charity.

How much does the charity get when 12 badges are sold?

£ _____

If the charity got £24 how many badges were sold?

9. **Look at the grid below.**



A, B, C and D are the vertices of a rectangle.

A and B are shown on the grid.

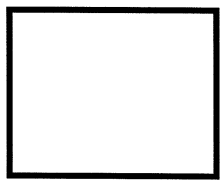
D is the point (5, 4)

Write the coordinates of point C.

C = (,)

10. **Look at the number sentence below.**

One of the numbers is missing.



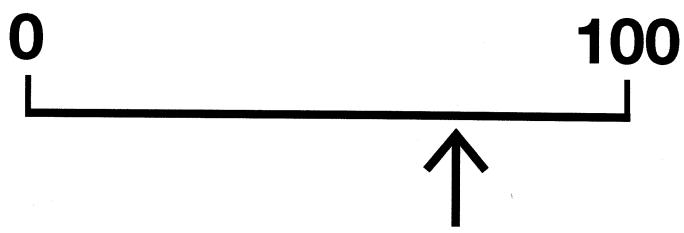
+ 27 > 85

Write down all the numbers from the list below that could make the number sentence correct.

30 40 50 60 70

_____

11. **Look at the number line below.**



Write down an estimate of the number marked by the arrow.

_____

12. **The numbers in a sequence increase by the same amount each time.**

The sequence is shown below. Two numbers are missing.

1			13

Write the missing numbers in the boxes.

13. Look at the sorting diagram below.

It has four sections **A**, **B**, **C** and **D**.

	multiple of 10	not a multiple of 10
multiple of 20	A	B
not a multiple of 20	C	D

Write a number that could go in section **C**.

_____

Section **B** can never have any numbers in it.

Explain why.

_____

_____

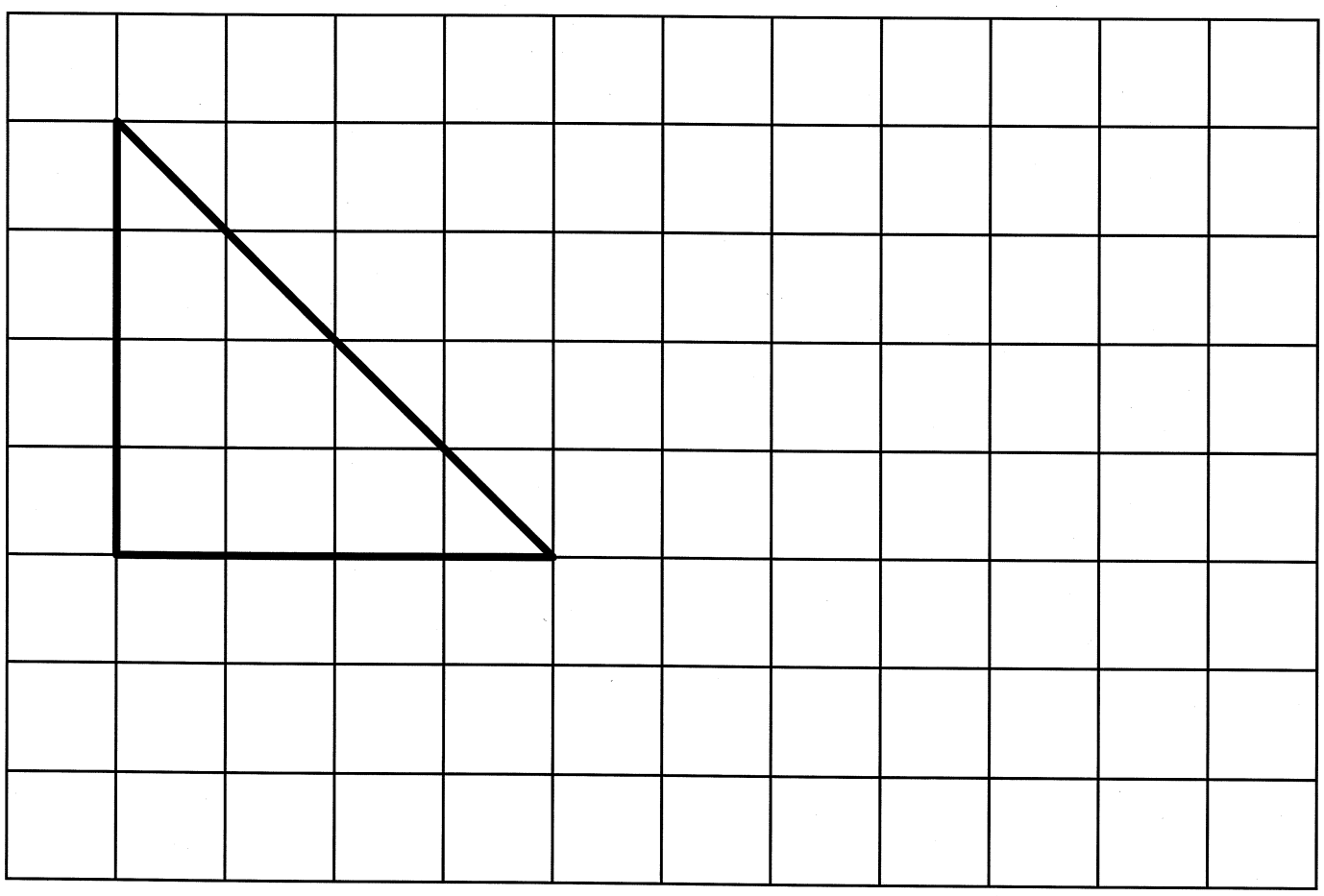
_____

_____

14. Calculate $\frac{3}{4}$ of £15

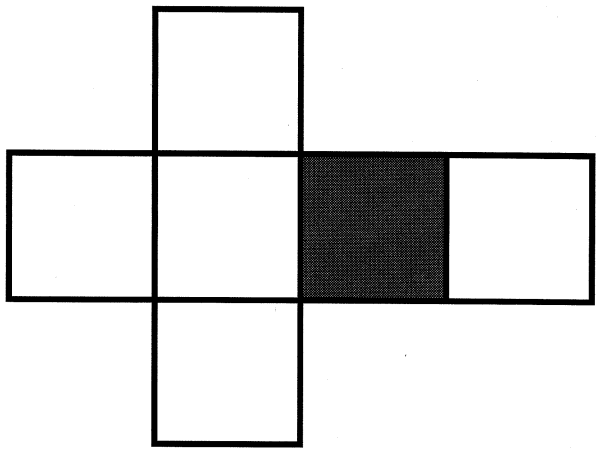
£ _____

15. **Look at the diagram below.**
It shows a triangle drawn on a square grid.



Draw a rectangle on the grid with the same area as the triangle.
Use a ruler.

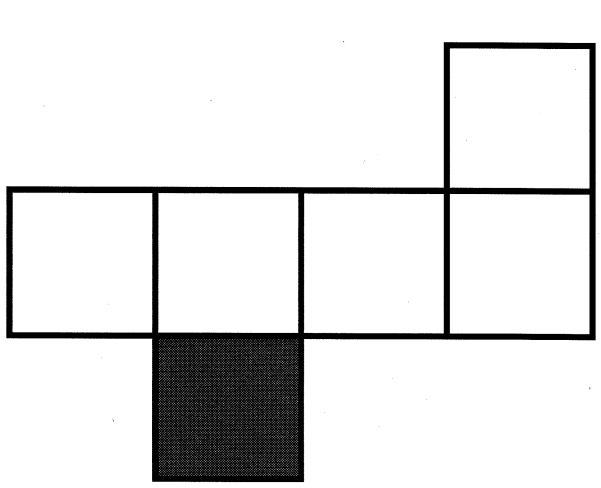
16. **Look at the net of a cube below.**
One face is shaded.



David folds the net to make a cube.

Tick (✓) the face which will be opposite the shaded face.

Rosie has a different net of a cube. One face is shaded.



Rosie folds the net to make a cube.

Tick (✓) the face which will be opposite the shaded face.

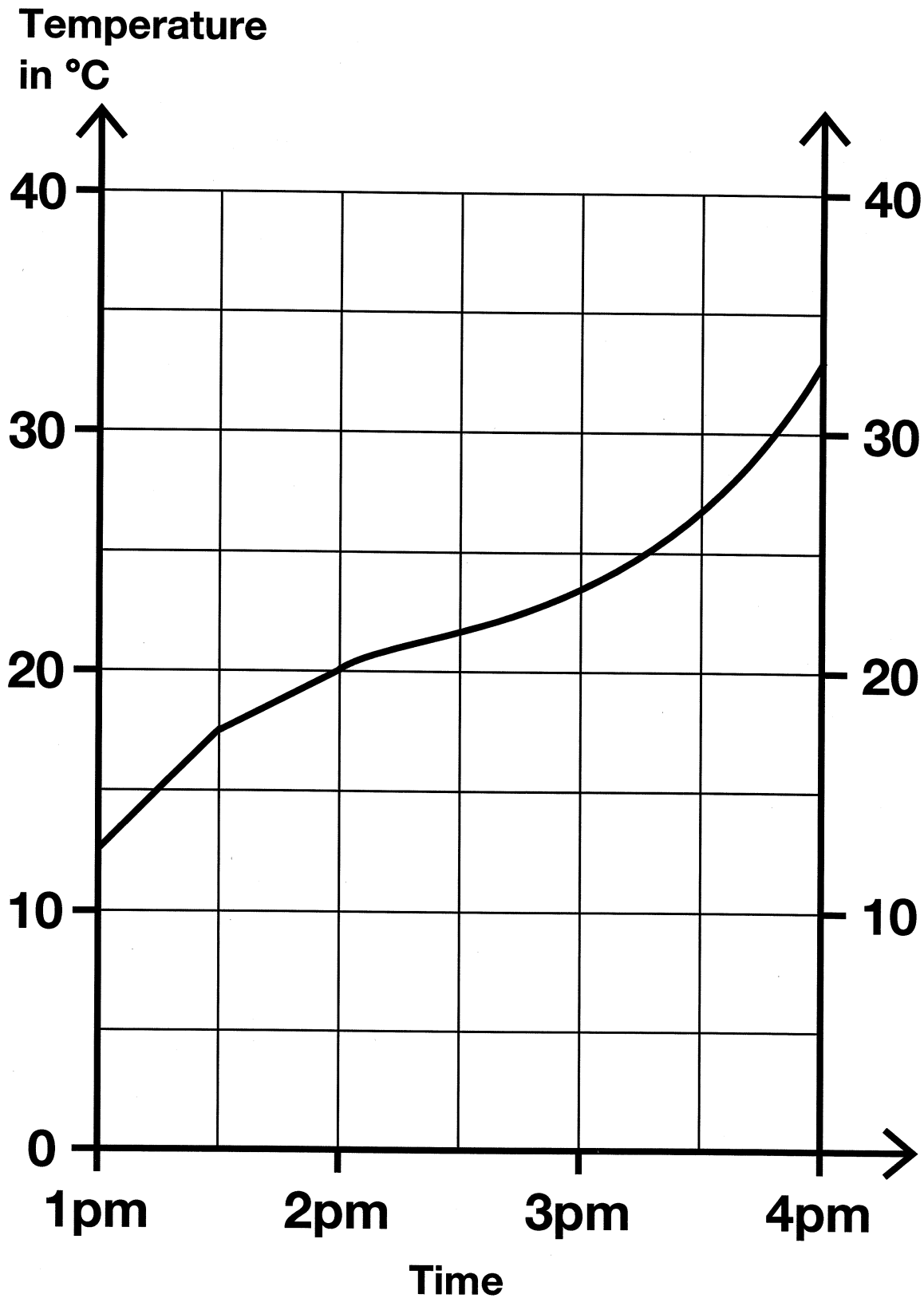
17. **Lin has five wooden blocks which are all the same.**

She weighs her five blocks and a 500 gram weight.
Altogether they weigh 800 grams.

Calculate the weight of one block.
Show your method. You may get a mark.

_____ **g**

18. **The graph below shows the temperature in a greenhouse.**



Use the graph to find the time when the temperature was 15°C.

_____

Use the graph on the opposite page to find the difference between the temperature at 2pm and the temperature at 4pm.

_____ **degrees**

19. David and his friends prepare a picnic.

Each person at the picnic will get:

3 sandwiches

2 bananas

1 packet of crisps

The children pack **45** sandwiches.

How many bananas do they pack?
Show your method. You may get a mark.

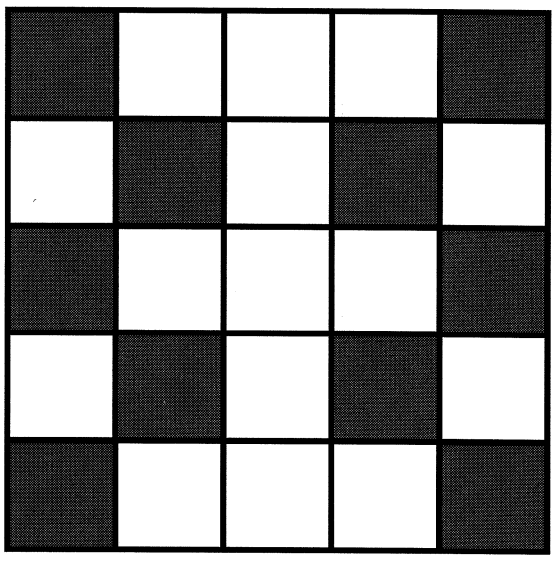
_____ bananas

20. **Write the answer to each of these calculations below rounded to the nearest whole number.**

The first one has been done for you.

	to the nearest whole number
$75{\cdot}7 \times 59$	4466
$7734 \div 60$	
$772{\cdot}4 \times 9{\cdot}7$	
$20{\cdot}34 \times (7{\cdot}9 - 5{\cdot}4)$	

21. **Look at the pattern of squares below.**
There are 25 squares altogether.

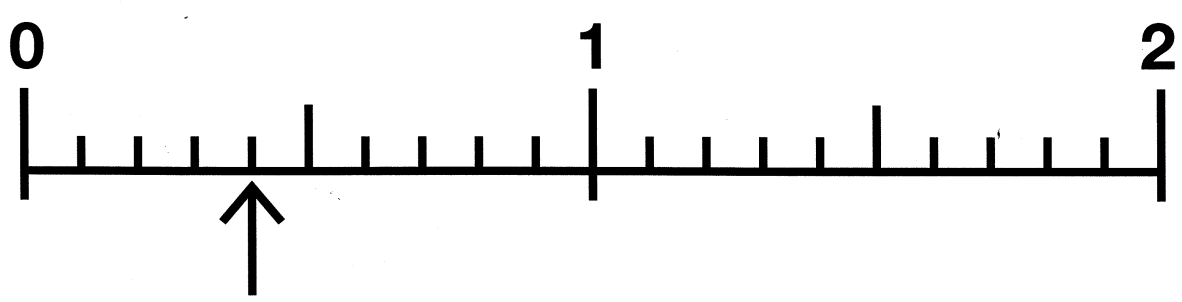


What percentage of the pattern is shaded?

_____ %

22. **Lin weighs some flour.**

The arrow on the scale below shows the weight of the flour in kilograms.



What is the weight of the flour?
Give your answer in grams.

_____ **grams**

How much more flour must Lin add to make 1·6 kg?

_____

23. **Look at the list of five numbers below.**

29 39 49 59 69

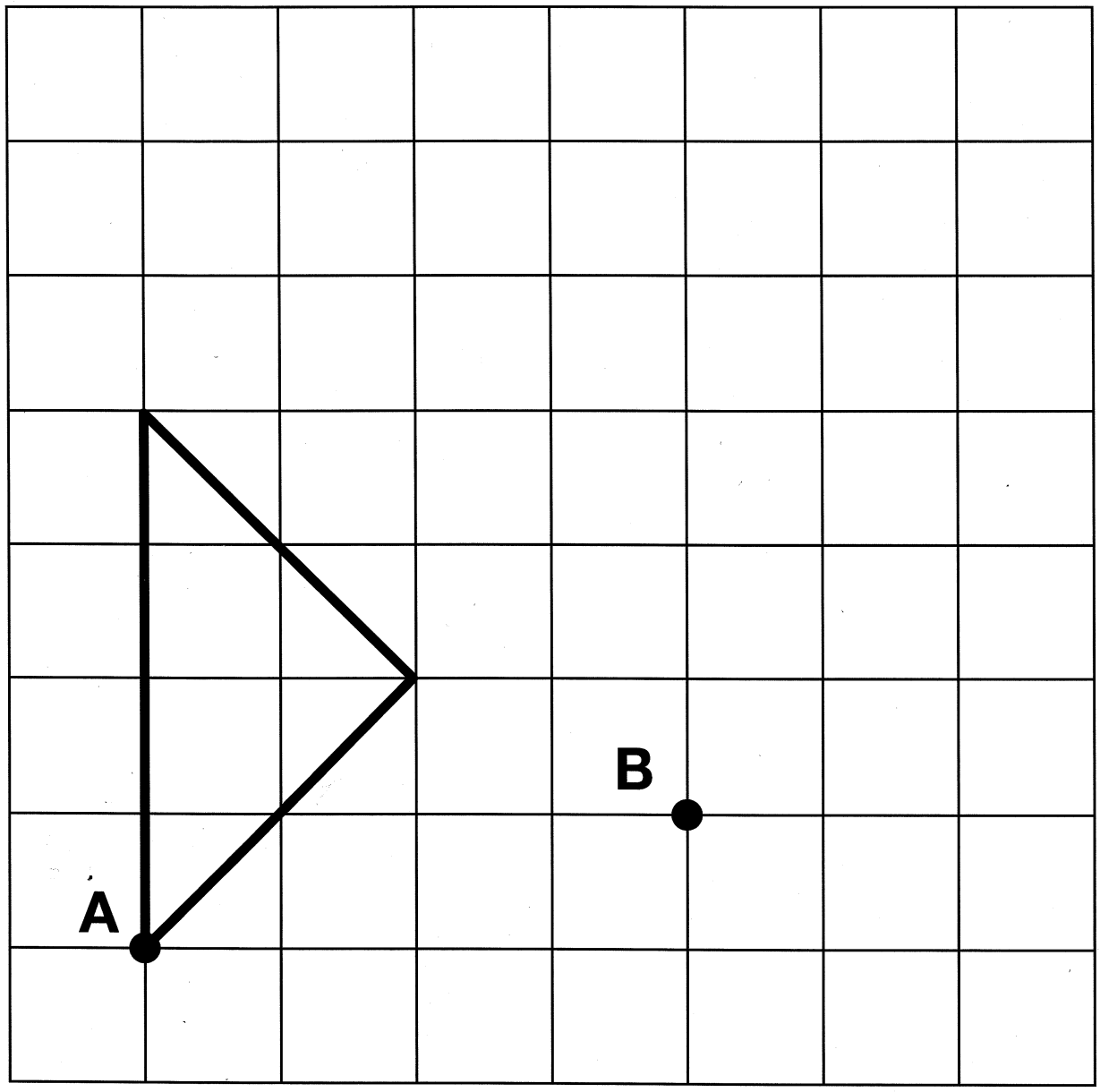
Two of these numbers are prime numbers.

Write down the two prime numbers.

_____

24. **You have a cut-out triangle for this question.**

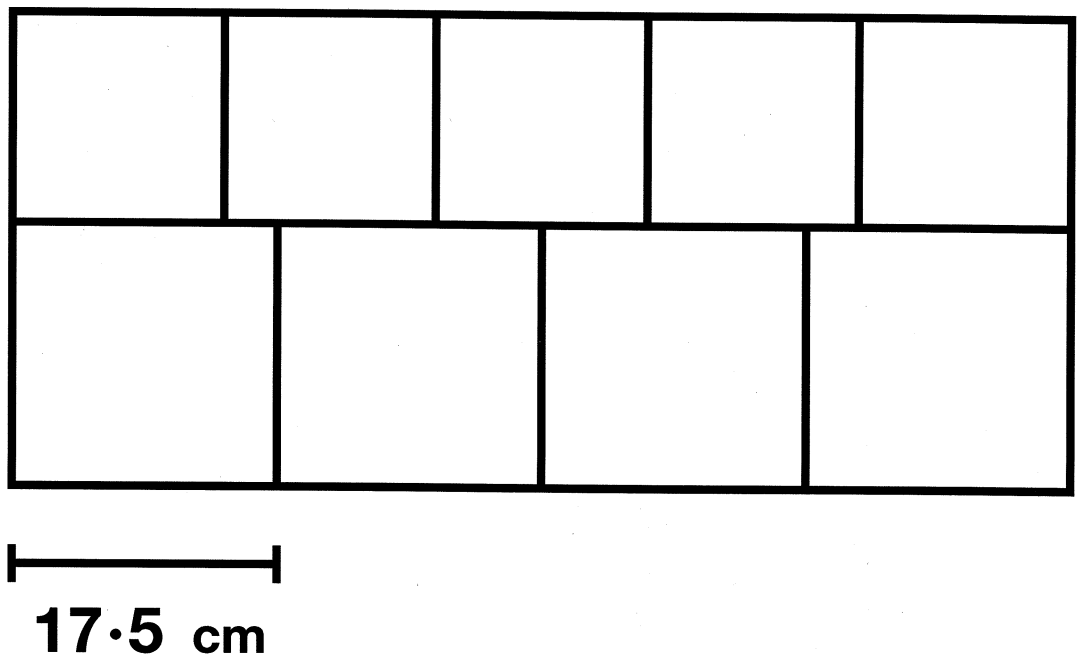
A triangle is drawn on the square grid below.



The triangle is translated so that point A moves to point B.

Draw the triangle in its new position.

25. **Four large squares and five small squares fit exactly inside the rectangle below. It is not actual size.**



The side of a large square is 17·5 centimetres.

Calculate the side of a small square.
Show your method. You may get a mark.

_____cm

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