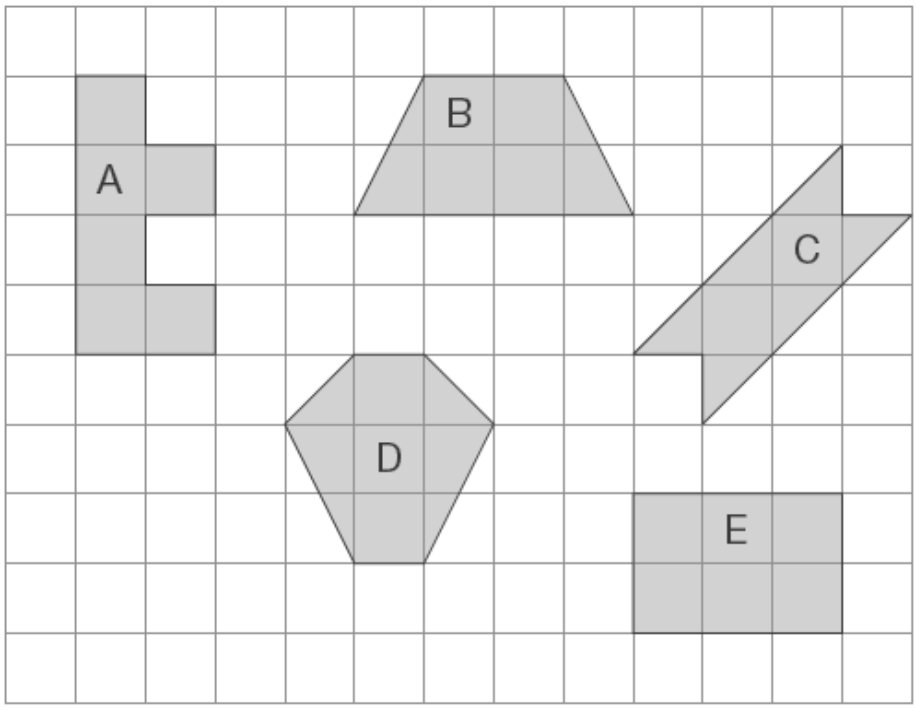
Q1. Here are some shapes on a 1cm square grid.



What is the **perimeter** of shape A?

cm

1 mark

Write the letter of the shape that has the **smallest area**.

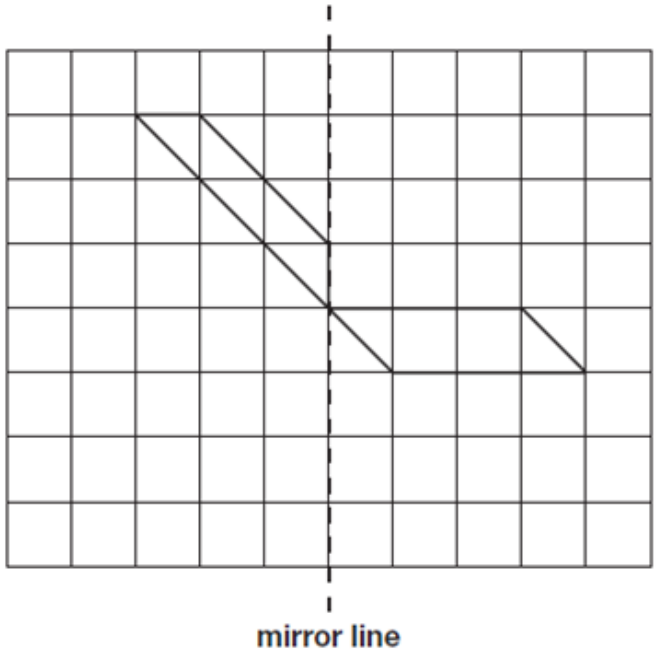
.....

1 mark

Q2. Here is a design on a square grid.

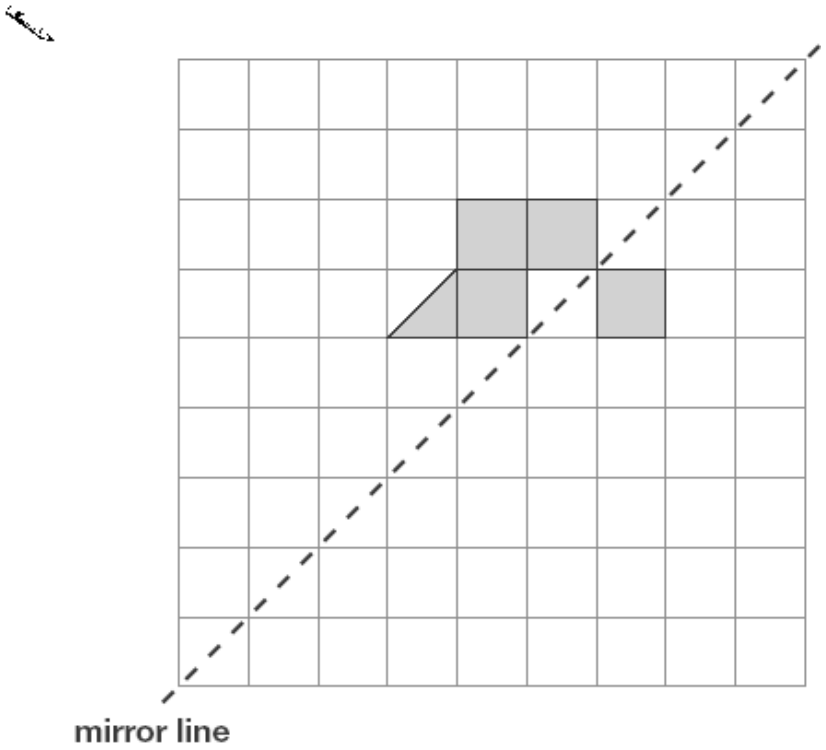
Complete the design so that it is symmetrical about the mirror line.

Use a ruler.



1 mark

Q3. Shade **two** squares and **one** triangle to make this design symmetrical about the mirror line.



1 mark

Q4. The area of a rectangle is 16cm².

One of the sides is 2cm long

What is the perimeter of the rectangle?

cm

1 mark

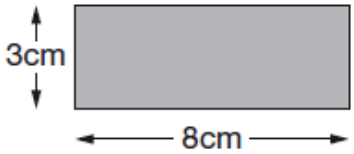
Q5. Ben counts in multiples of 25.

Circle the numbers he says.

52 75 125 255 300

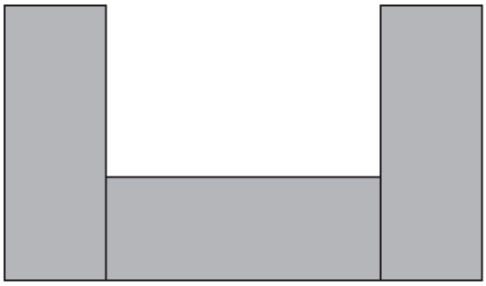
1 mark

Q6. Alfie has some rectangles.



Not actual size

He makes this shape using three of the rectangles.



What is the **perimeter** of Alfie's shape?

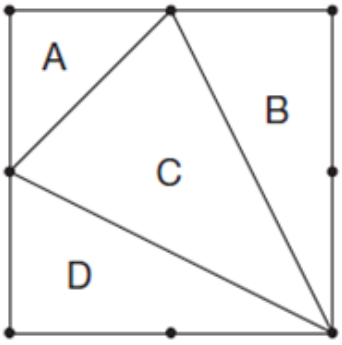
Show your method

cm

2 marks

Q7. This diagram shows a square with dots at the vertices and at the middle of each side.

The square is divided into four triangles, **A**, **B**, **C** and **D**.



Write the letters of all the triangles that have a **right angle**.

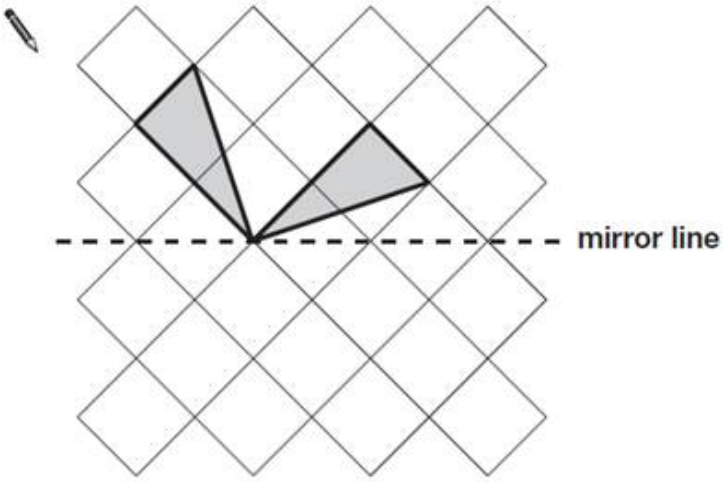
..... 1 mark

Write the letters of all the triangles that have **two equal sides**.

..... 1 mark

Q8. Complete this shape so that it is symmetrical about the mirror line.

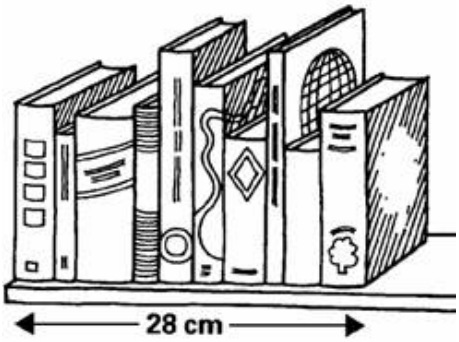
Use a ruler.



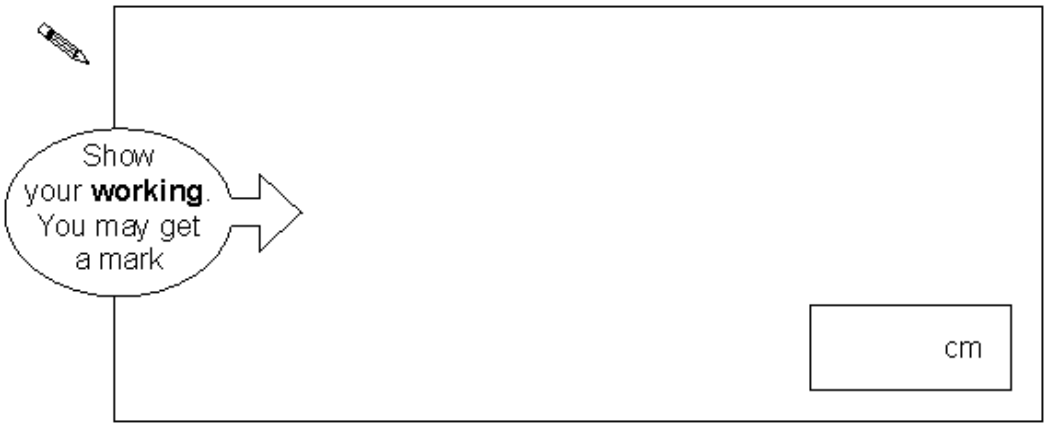
1 mark

Q9. Vicki puts 10 books on a shelf.

The **10 books** take up **28 centimetres**.



What is the **mean (average)** thickness of her books?

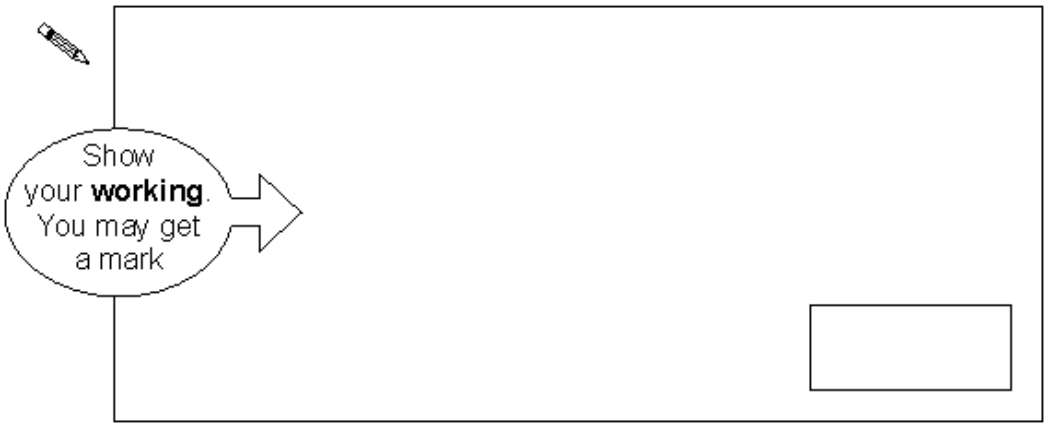


2 marks

The shelf is **120 centimetres** long.

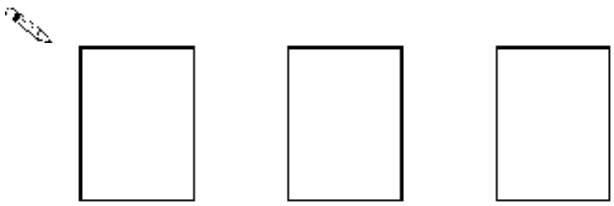
Vicki fills the shelf with a mixture of books like the **first ten books.**

Estimate how many books she can get on the **120 cm shelf**.



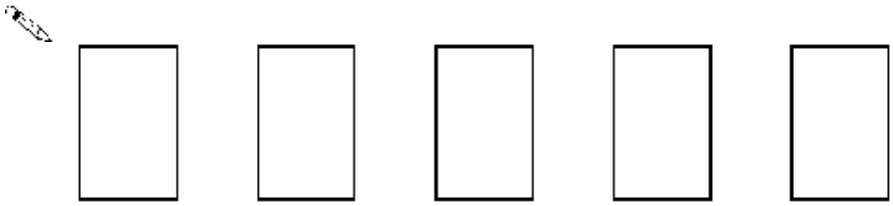
2 marks

Q10. Write a **different** number in **each** of these boxes so that the **mean** of the **three** numbers is **9.**



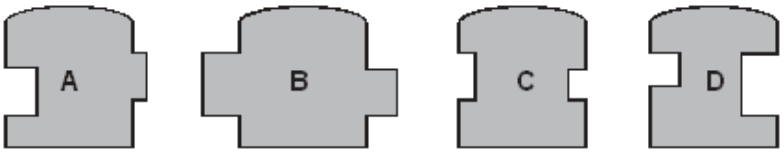
1 mark

Write a number in **each** of these boxes so that the **mode** of the **five** numbers is **11**.



1 mark

Q11. Here are four shapes.



They can be fitted together in a straight line so that there are no gaps between them.

Write the order of the letters of the shapes when they all fit together.

.....

1 mark

Q12. These are the marks from a spelling test.

Jay	16
Karen	13
Dominic	18
Tariq	13
Lara	12
Oliver	14
Gemma	19

What is the **median** number of marks?

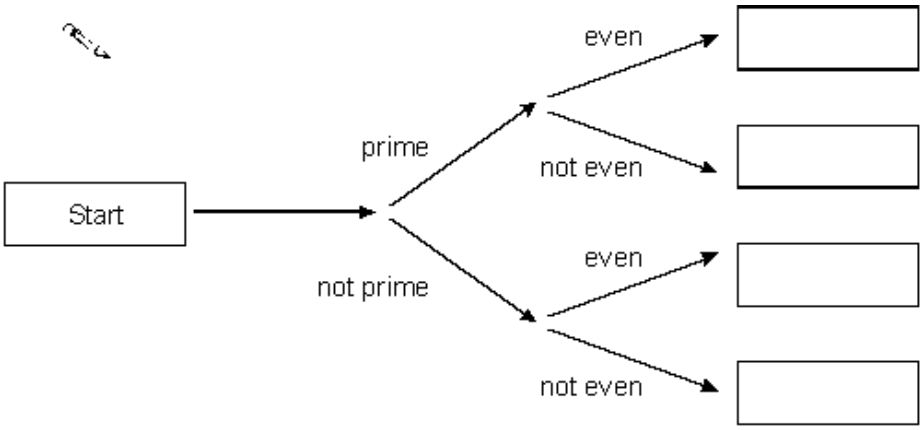
1 mark

Q13. Here is a diagram for sorting numbers.

Write these three numbers in the correct boxes.

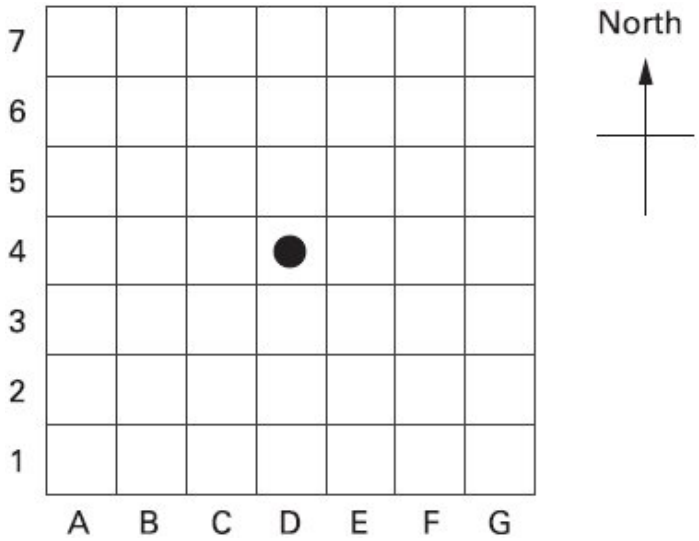
You may not need to use all of the boxes.

9 **17** **20**



2 marks

Q14. Lisa places a counter on square **D4**



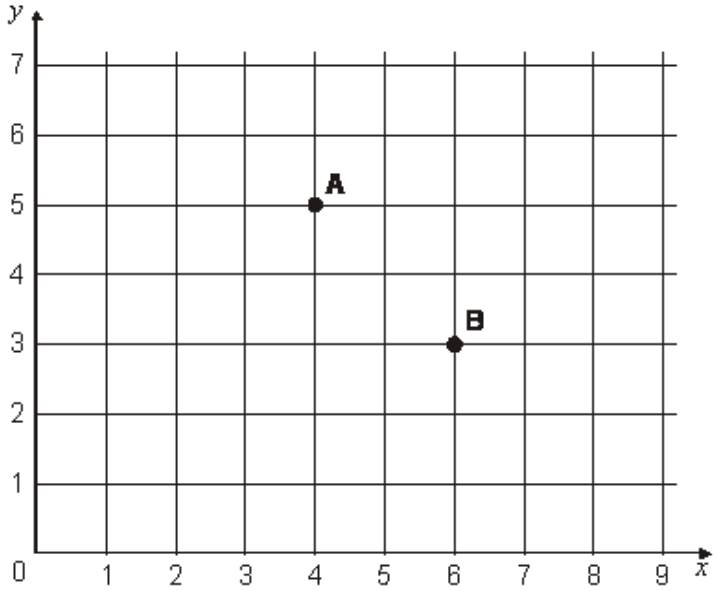
She moves it 2 squares east and 3 squares south.

Write the position of the square she moves it to.

1 mark

Q15. **A, B**, **C** and **D** are the vertices of a rectangle.

A and **B** are shown on the grid.



D is the point (3, 4)

Write the coordinates of point **C.**

(,)

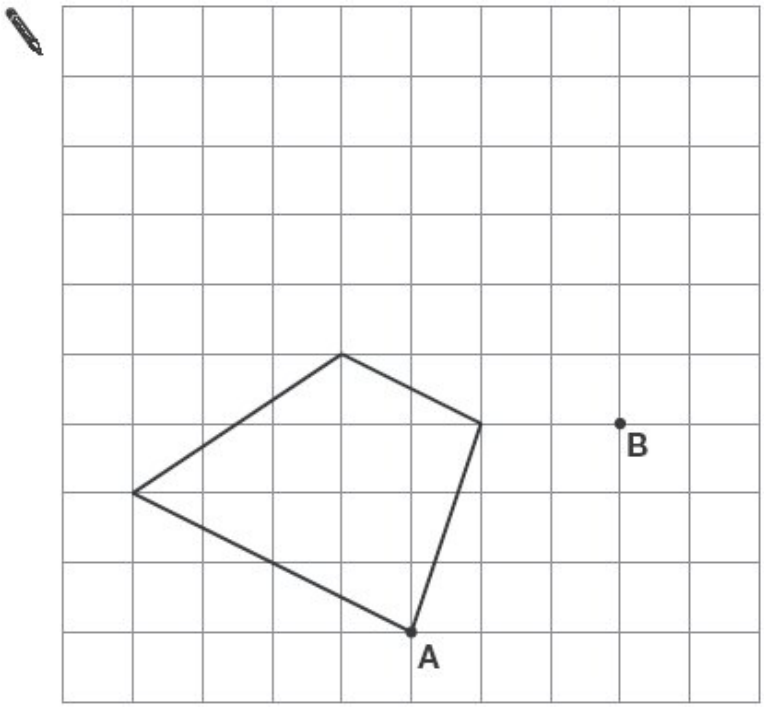
1 mark

Q16. Here is a quadrilateral on a square grid.

The quadrilateral is translated so that point **A** moves to point **B**.

Draw the quadrilateral in its new position.

Use a ruler.



1 mark

Q17.

$$\begin{array}{r} 3\ 4\ 7\ \square \\ + \\ 1\ \square\ 7\ 5 \\ \hline 5\ 0\ 5\ 1 \\ \hline \end{array}$$

2 marks