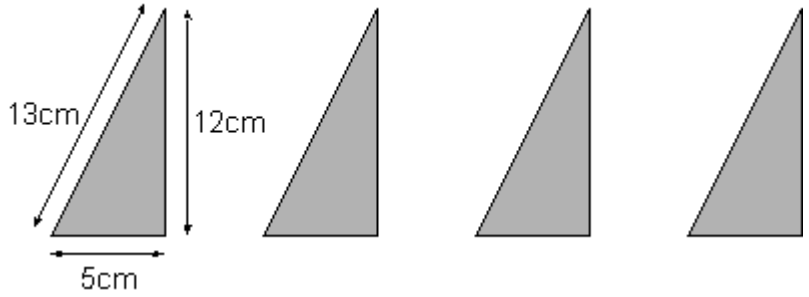
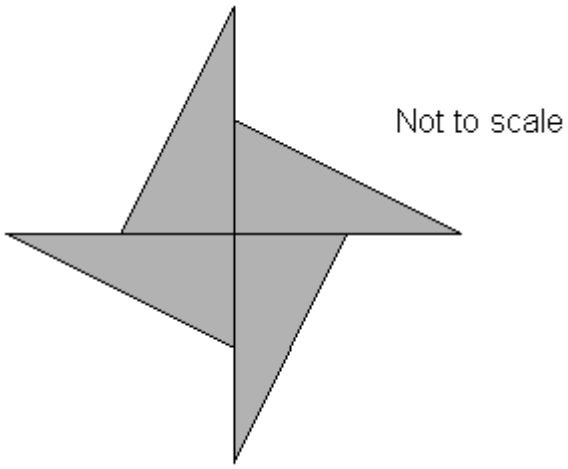
Q1. Lindy has 4 triangles, all the same size.



She uses them to make a star.



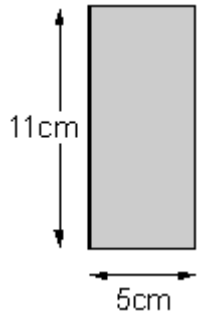
Calculate the **perimeter** of the star.

Show your **working**. You may get a mark

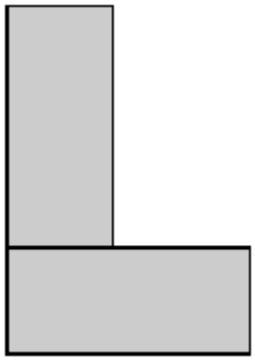
cm

2 marks

Q2. Liam has two rectangular tiles like this.



He makes this L shape.



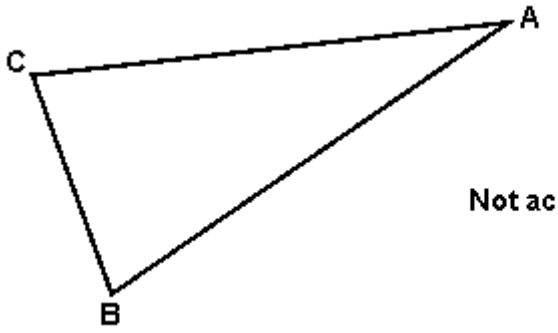
What is the **perimeter** of Liam's L shape?

cm

1 mark

Q3. Triangle **ABC** is isosceles and has a perimeter of 20 centimetres.

Sides **AB** and **AC** are each twice as long as **BC**.



Not actual size

Calculate the length of the side **BC**.

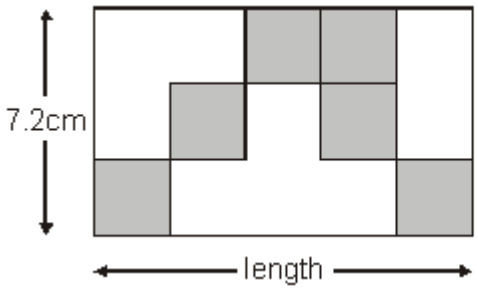
Do **not** use a ruler.

Show your **working**. You may get a mark

cm

2 marks

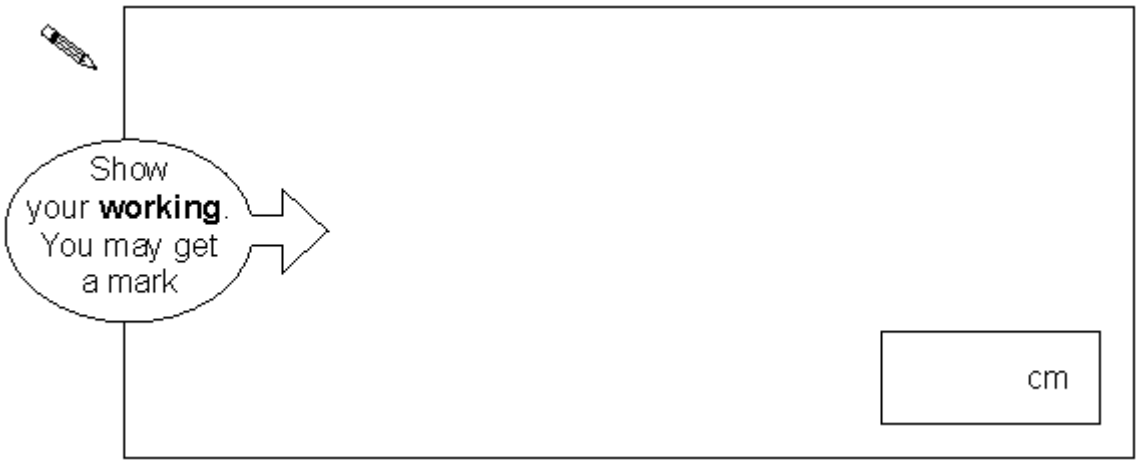
Q4. Here is a rectangle with six identical shaded squares inside it.



Not actual size

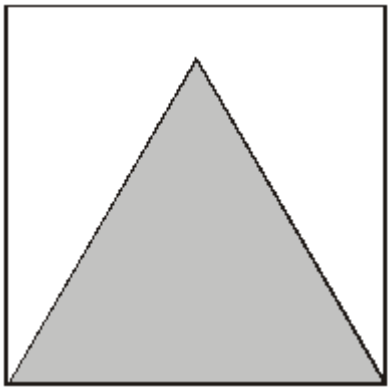
The width of the rectangle is **7.2 centimetres**.

Calculate the **length** of the rectangle.



2 marks

Q5. Here is an equilateral triangle inside a square.



Not actual size

The perimeter of the triangle is 48 centimetres.

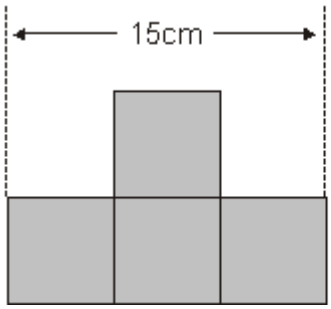
What is the perimeter of the **square**?

Show your **working**. You may get a mark

cm

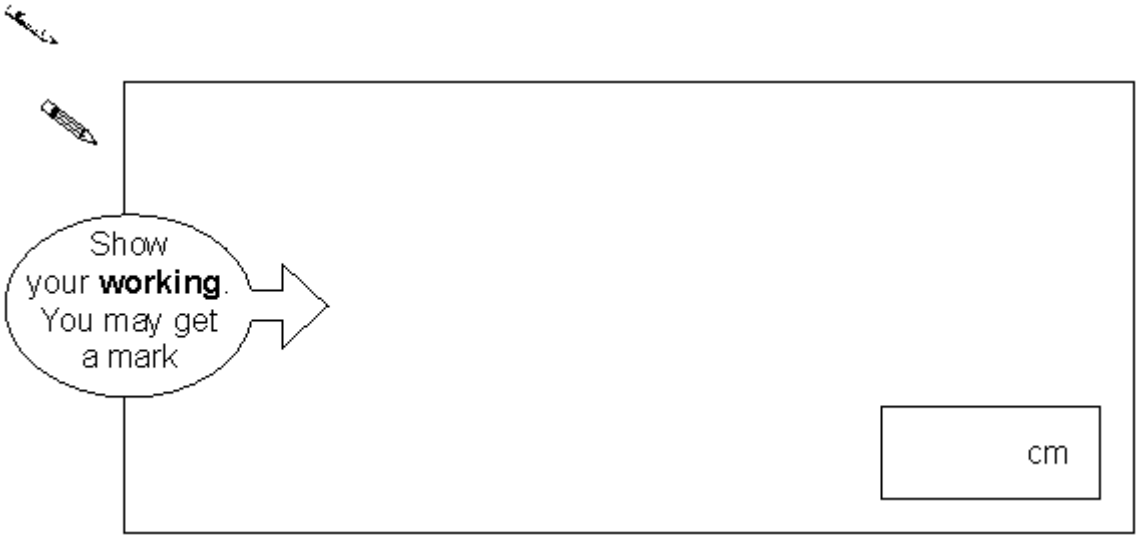
2 marks

Q6. This shape is made from 4 shaded squares.



Not actual size

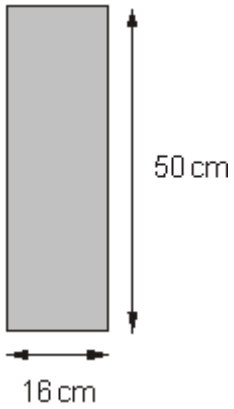
Calculate the perimeter of the shape.



2 marks

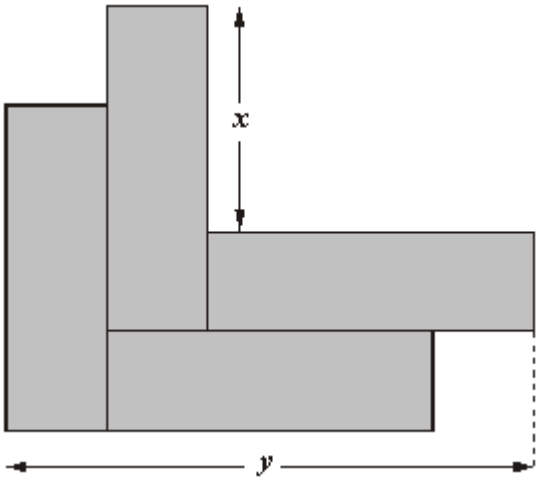
Q7. Kate has some rectangles.

They each measure 16 centimetres by 50 centimetres.



Not actual size

She makes this design with four of the rectangles.



Work out the lengths x and y.

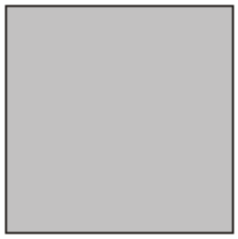
x = **cm**

1 mark

y = **cm**

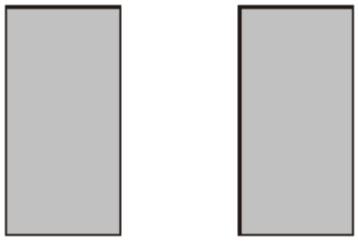
1 mark

Q8. The perimeter of a square is 72 centimetres.



Not actual size

The square is cut in half to make two identical rectangles.

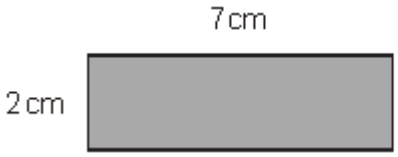


What is the perimeter of **one** rectangle?

2 marks

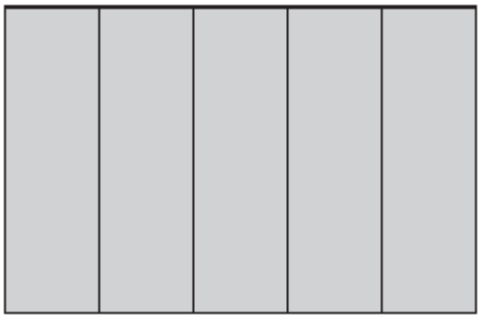
Q9. Lara has some identical rectangles.

They are 7 centimetres long and 2 centimetres wide.



Not actual size

She uses **five** of her rectangles to make the large rectangle below.



What is the **perimeter** of the large rectangle?

Answer: _____ **cm**

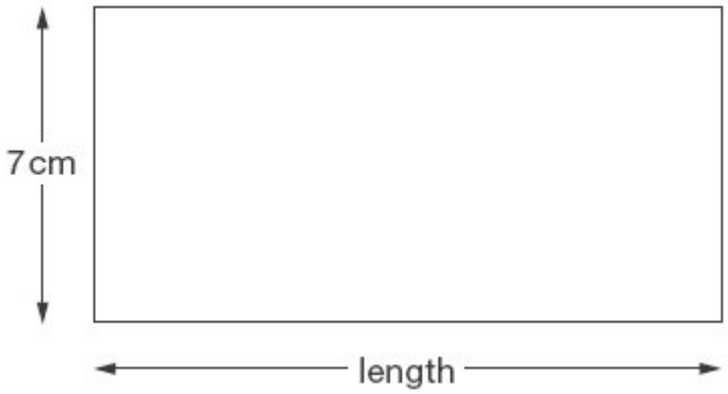
1 mark

What is the **area** of the large rectangle?

Answer: _____ **cm**

1 mark

Q10.



Not actual size

The perimeter of this rectangle is 50 centimetres.

Calculate the length of the rectangle.

2 marks

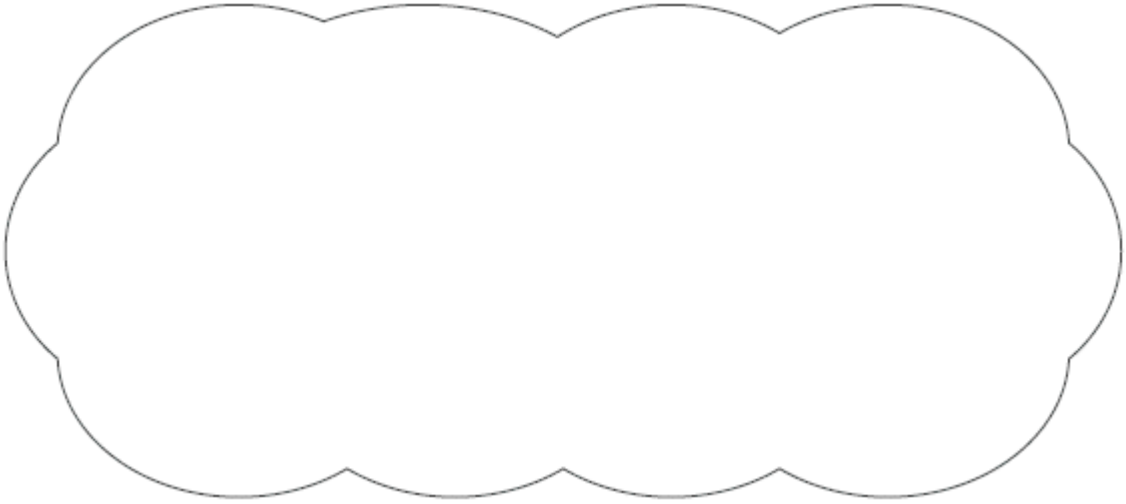
Q11. Megan says,

'If two rectangles have the same perimeter, they must have the same area.'

Is she correct?
Circle Yes or No.

Yes / No

Explain how you know.



1 mark

Q12. The following quadrilaterals all have a **perimeter of 36cm**.

Here is a table to show the length of each side.

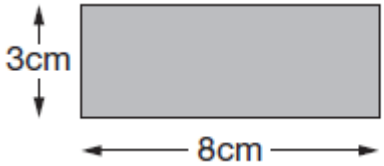
Complete the table.

One quadrilateral is done for you.

	Side lengths			
square	9cm	9cm	9cm	9cm
rectangle	3cm			
rhombus	9cm			
kite	10cm			

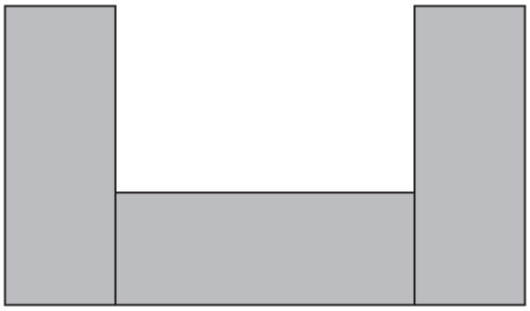
2 marks

Q13. 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