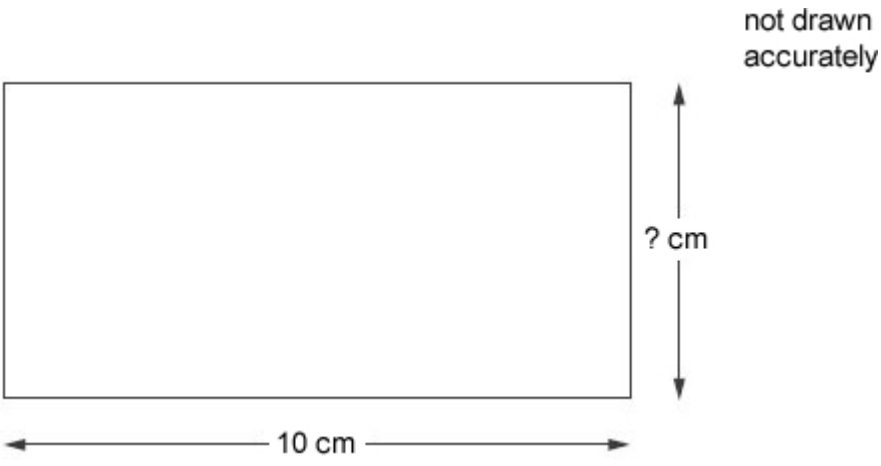


1

Grace and Ben each drew a rectangle with a perimeter of 28 cm.

Ben's rectangle was 10 cm long.



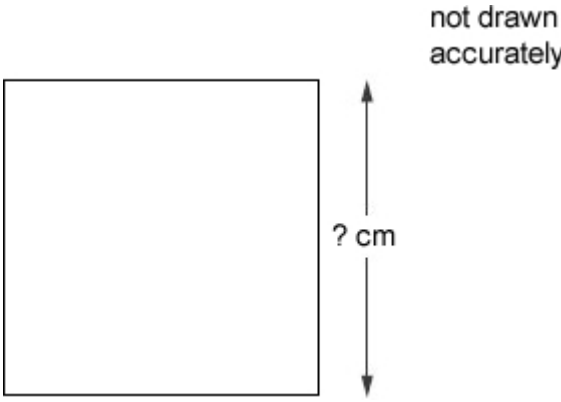
How wide was his rectangle?

A simple rectangular box with the text "cm" centered inside it.

1 mark

Grace's rectangle was a square.

It also had a perimeter of 28 cm.



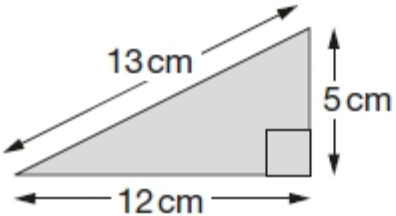
What is the side length of her square?

A simple rectangular box with the text "cm" centered inside it.

1 mark

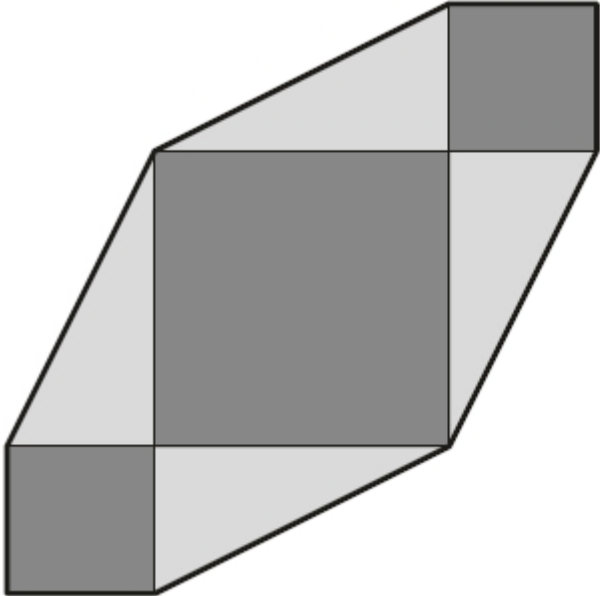
2

Chen has some right-angled triangular tiles.



Not actual size

He makes this shape with four of his triangular tiles and three square tiles.



Not actual size

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

Show your method

cm

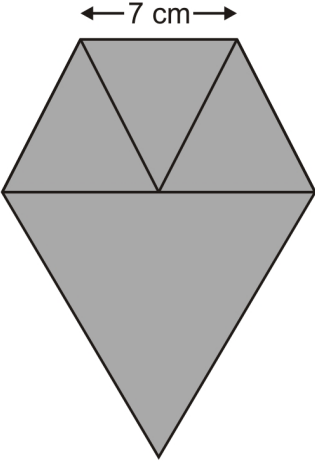
2 marks

3

Lauren has **three small equilateral triangles** and **one large equilateral triangle**.

The small triangles have sides of **7 centimetres**.

Lauren makes this shape.



Not actual size

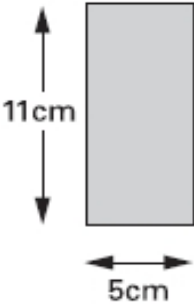
Calculate the **perimeter** of the shape.

Do **not** use a ruler.

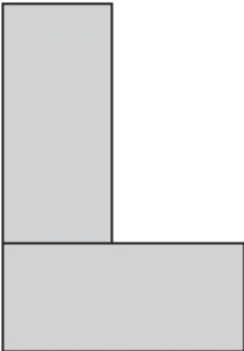
1 mark

4

Liam has two rectangular tiles like this.



He makes this L shape.



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

cm

1 mark

5

A rectangle has an area of 36 cm^2

How long could the sides of the rectangle be?

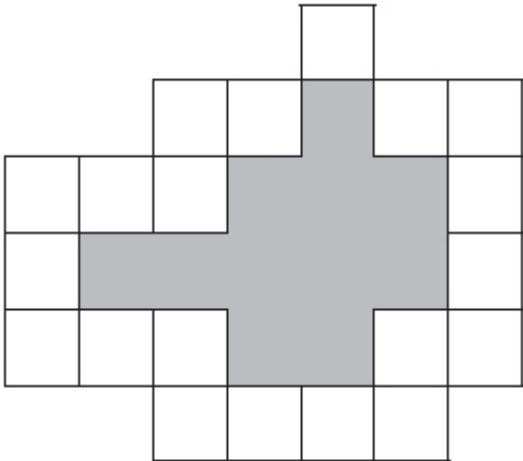
Give three different examples, using whole numbers.

- cm and cm
- cm and cm
- cm and cm

2 marks

6

Here is a set of 20 squares around a shaded space.



What is the area of the shaded space?

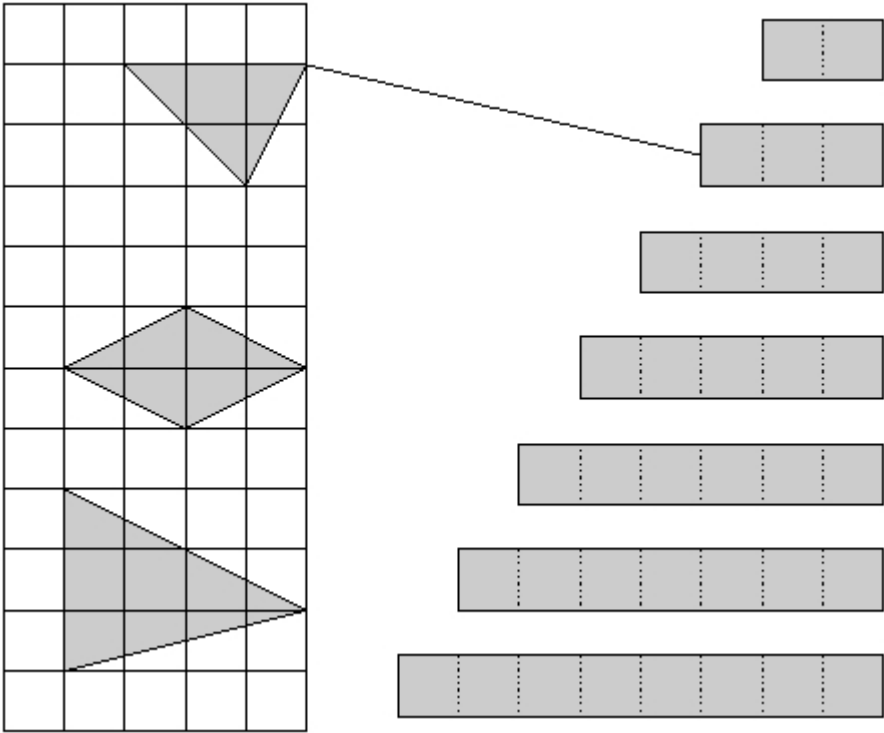
squares

1 mark

7

Draw **one line** from each shape to the rectangle which has the **same area**.

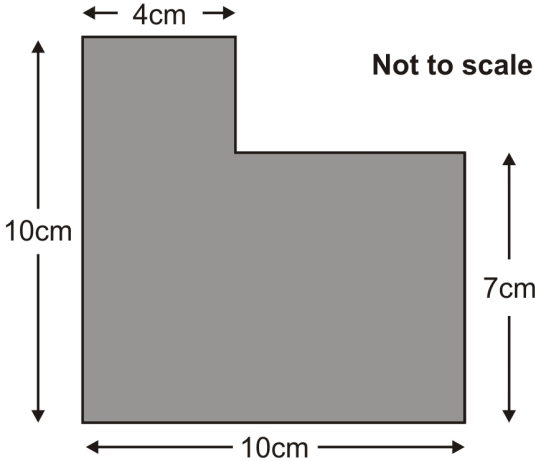
One is done for you.



2 mark

8

What is the **area** of this shape?



Show your method

cm²

2 marks

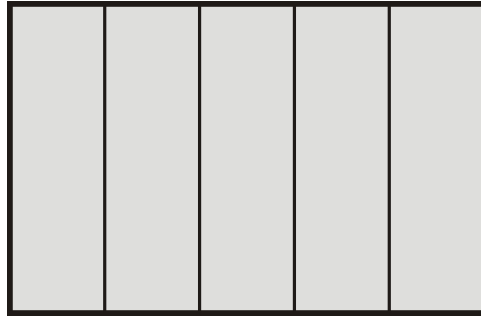
9

Lara has some identical rectangles.

They are 7 centimetres long and 2 centimetres wide.



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



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

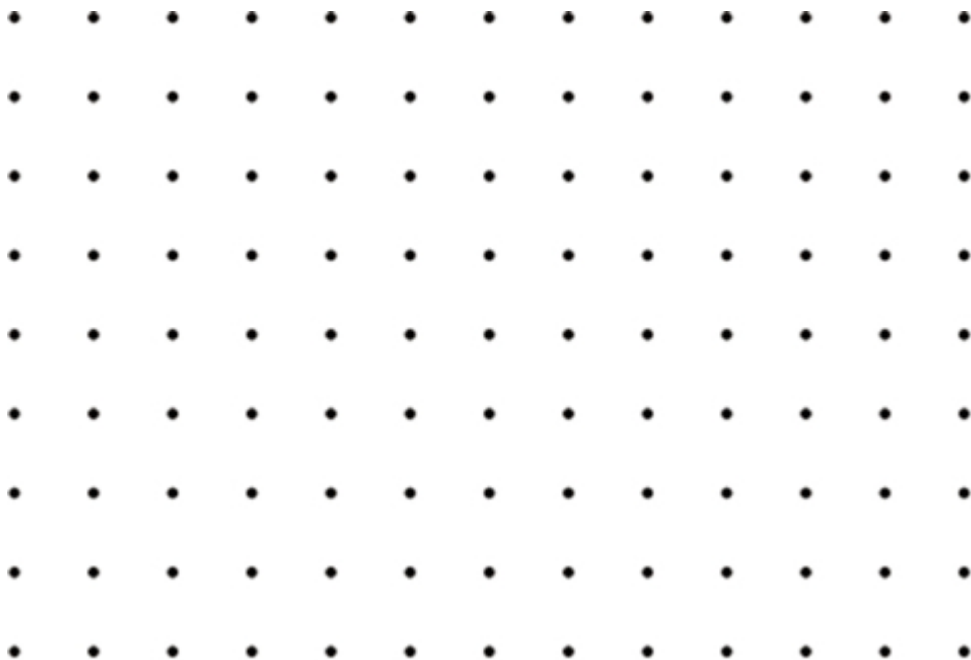
1 mark

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

1 mark

10

Join the dots to draw a rectangle that has an **area** of 20 cm^2 and a **perimeter** of 18 cm.



1 mark

11

What is the **perimeter** of a square with an area of 64 cm^2 ?

1 mark

Now give an example of another rectangle with an area of 64 cm^2 but a different perimeter.

1 mark