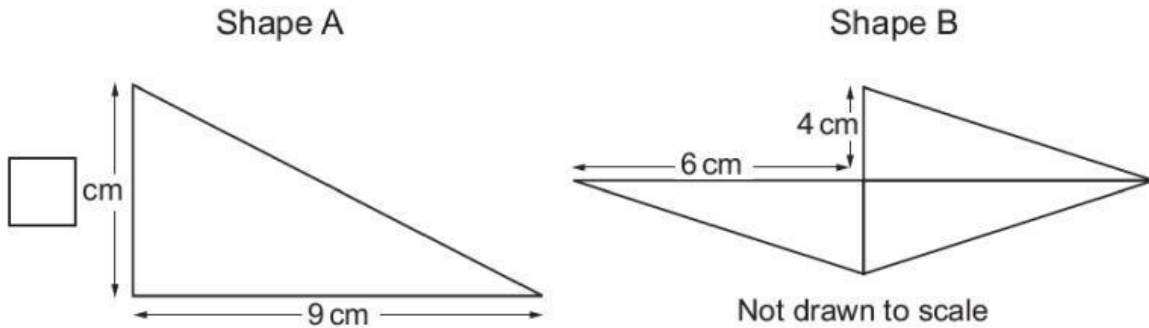


**Area and Perimeter – 2022 Checkpoint Primary Mathematics Progression****1. Stage/2022/Paper\_1/No.27**

Shapes A and B both have the same area.

Shape A is made of one right-angled triangle.

Shape B is made of three identical right-angled triangles.

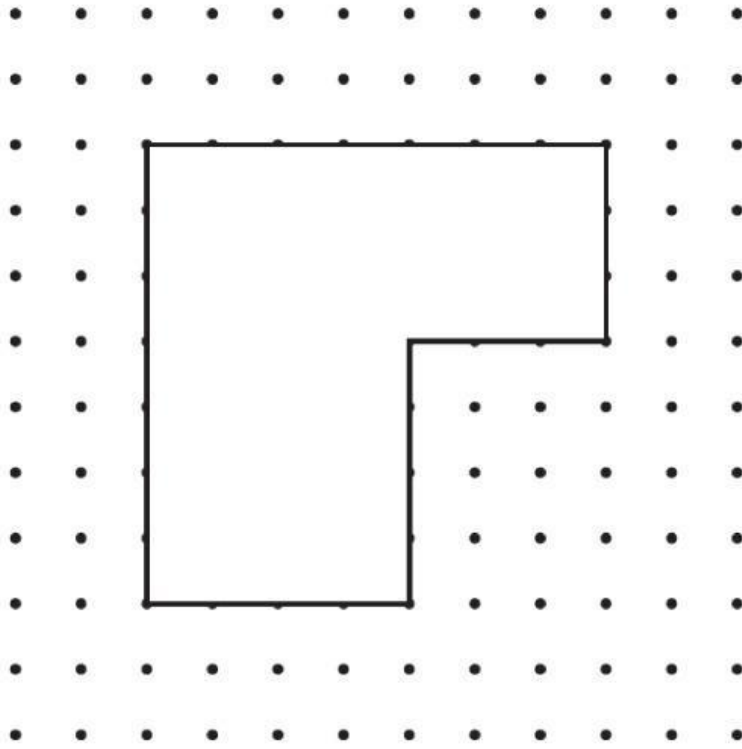


Calculate the missing height of shape A.  
Show your working.

..... cm [2]

## 2. Stage\_5/2022/Paper\_1/No.26

Carlos draws this shape on a grid of squares.



He calculates the area of the shape.

This is the number sentence Carlos writes.

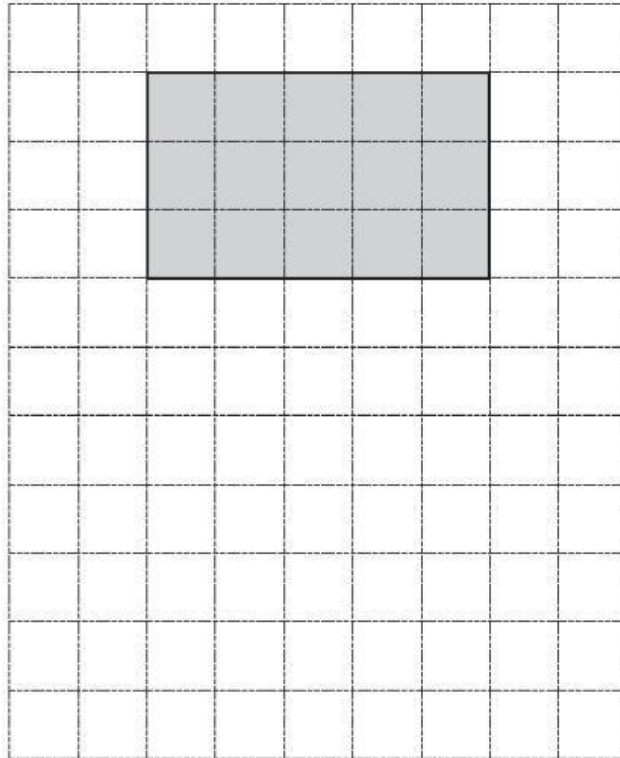
$$4 \times 4 + 3 \times 3 + \square \times \square$$

Complete his number sentence.

[1]

**3.** Stage\_5/2022/Paper\_2/No.10

Here is a rectangle drawn on a grid of squares.



Draw a square with the same perimeter as the rectangle on the grid.

[1]

4. Stage\_5/2022/Paper\_2/No.31

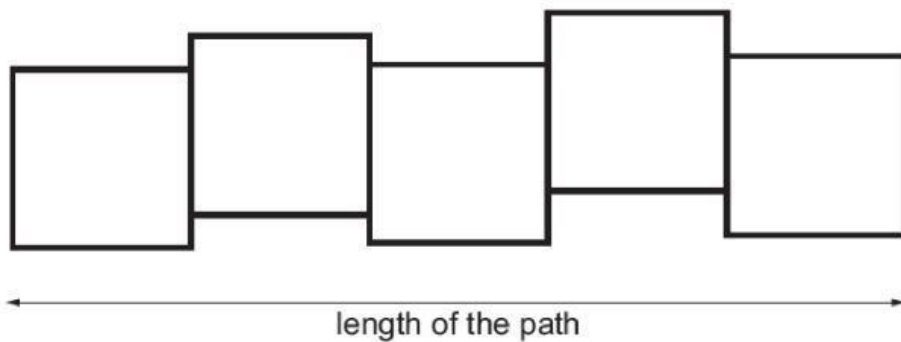
A square paving slab has a side length of  $\frac{1}{3}$  metre.



(a) What is the perimeter of the paving slab?

..... metres [1]

(b) Rajiv joins five paving slabs to make a path.

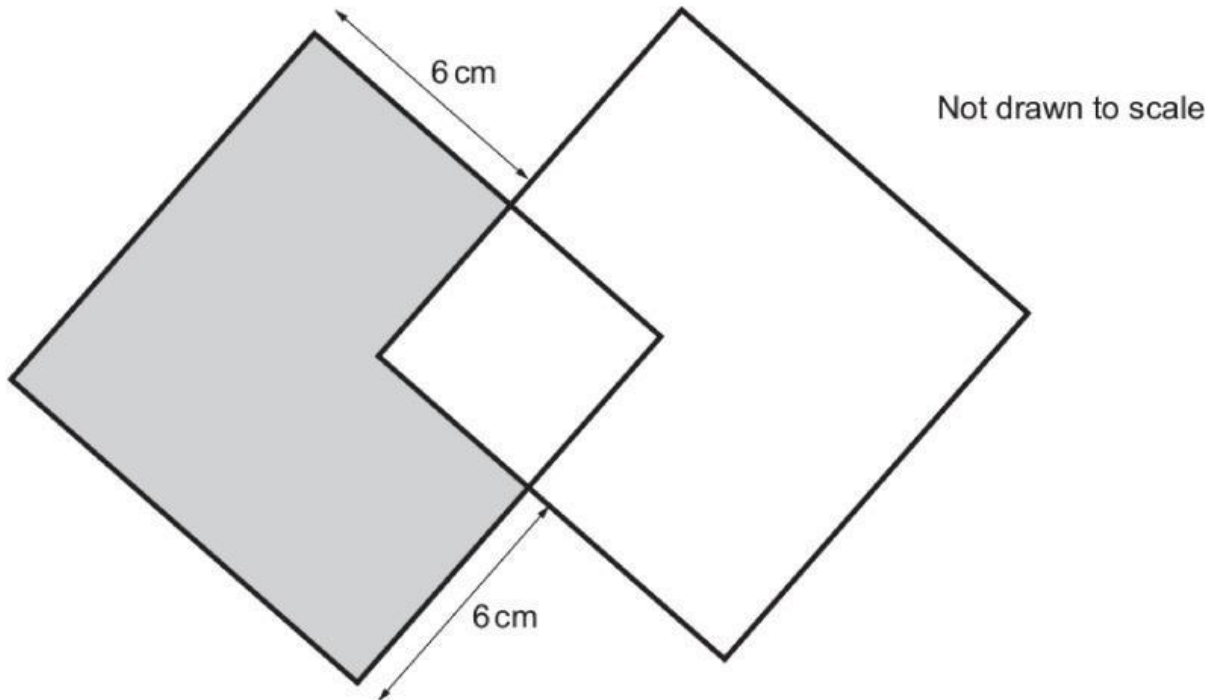


What is the length of the path?

..... metres [1]

5. Stage\_5/2022/Paper\_2/No.32

- ! Samira has two squares.  
The area of each square is  $100 \text{ cm}^2$ .  
She overlaps the two squares.

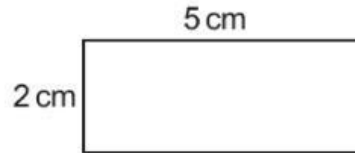


Calculate the shaded area.

.....  $\text{cm}^2$  [2]

6. Stage\_4/2022/Paper\_1/No.6

Here is a rectangle.



Not drawn to scale

A larger rectangle is made using three of the same rectangles.



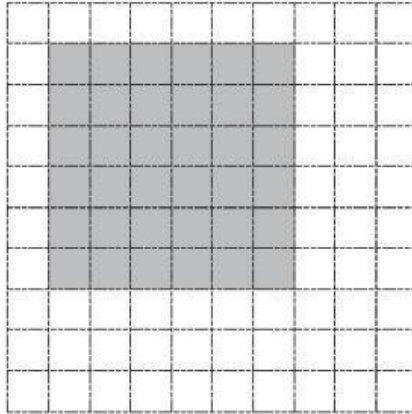
Not drawn to scale

Calculate the area of the larger rectangle.

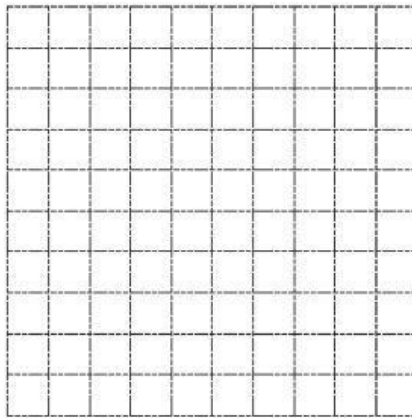
..... cm<sup>2</sup> [1]

7. Stage\_4/2022/Paper\_1/No.22

Here is a square drawn on a grid of squares.

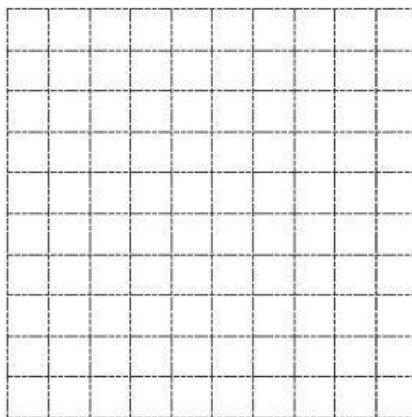


(a) Draw a rectangle with the **same** area as the square on this grid.



[1]

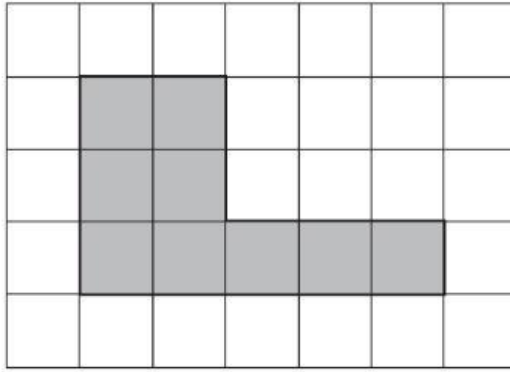
(b) Draw a rectangle with the **same** perimeter as the square on this grid.  
The length must be twice as long as the width.



[1]

## 8. Stage\_3/2022/Paper\_2/No.11

Here is a shape drawn on a grid of squares.



Use these words to complete the mathematical statement.

length      square units      perimeter      area      centimetres

The ..... of the shape is 9 ..... [1]

## 9. Stage\_3/2022/Paper\_2/No.22

A rectangle has a perimeter of 28 cm.  
The longer side measures 11 cm.

Write the length of the shorter side.  
Show your working.

..... cm [2]