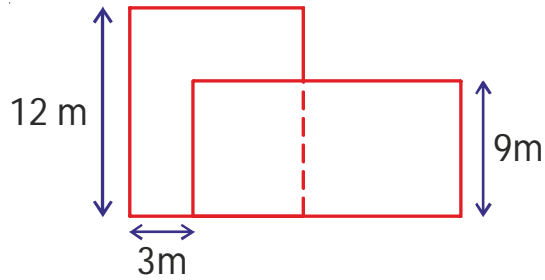
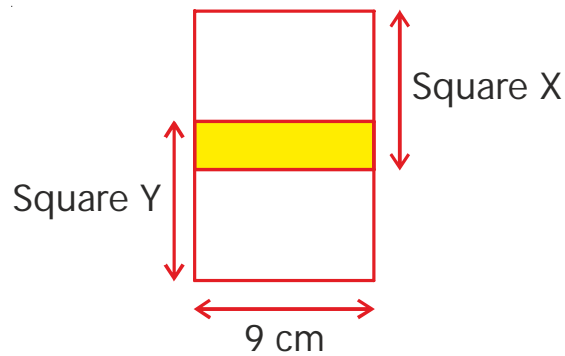


**01** The figure is formed by placing a rectangle on top of a square. If the square and the rectangle have the same area, what is the perimeter of the figure ?



Your solution here:

**02** Two identical squares X and Y are used to make the figure shown below.  $\frac{1}{3}$  of square X overlaps with  $\frac{1}{3}$  of square Y. What is the area of the unshaded area in the figure ?



Your solution here:

**03**

The figure below is not drawn to scale. It is made up of two rectangles, X and Y and a square Z. The area of X is  $21 \text{ m}^2$  and the area of Y is  $35 \text{ m}^2$ . The lengths of X, Y and Z are whole numbers. Find the area of square Z.

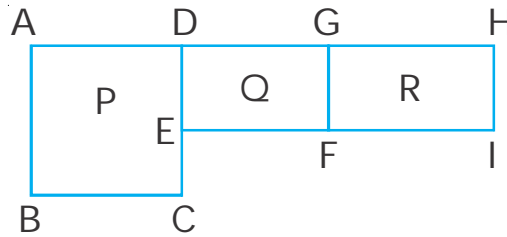


Your solution here:

**04**

The length of the sides of squares P and Q are whole numbers (in cm). their total area is  $100 \text{ cm}^2$ . R is a rectangle such that  $AD = GH$

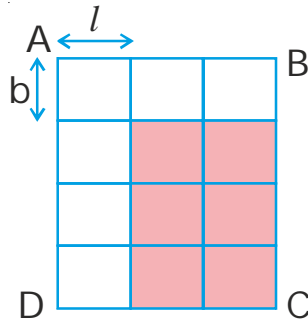
- (a) Find the area of the rectangle R
- (b) Find the perimeter of the whole figure



Your solution here:

**05**

Square ABCD has been divided into 12 identical rectangles. The area of the shaded portion is  $72 \text{ cm}^2$ . Find the length ( $l$ ) and breadth ( $b$ ) of each rectangle.



Your solution here: