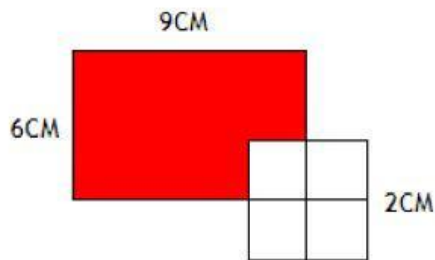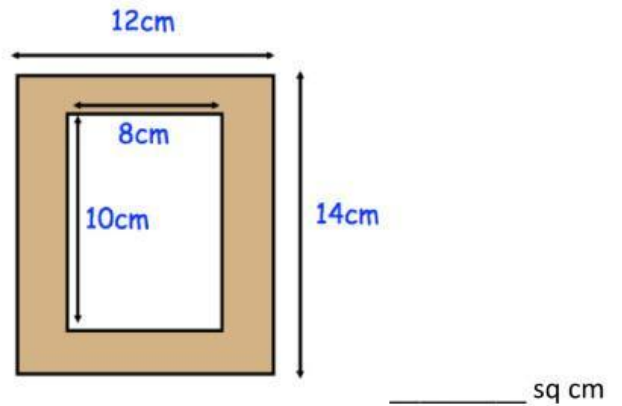# AREAS OF SQUARES AND RECTANGLES

The square has a side of 2 cm and the rectangle has a length of 9 cm and a width of 6 cm. What is the area of the red zone?
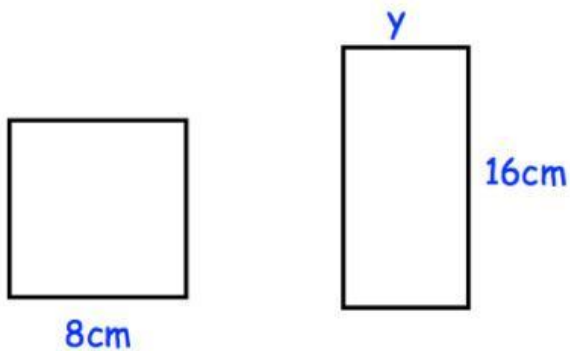
9CM

6CM

2CM

_____
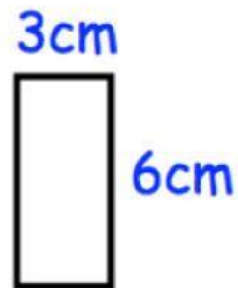

Shown below is a wooden picture frame. Work out area of shaded region.

12cm

8cm

10cm

14cm

_____ sq cm

Shown below is a square and a rectangle.

The square and rectangle have the same area. Find the y.

y

16cm

8cm

_____ cm

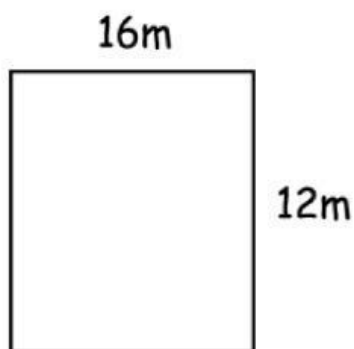Shown below is a rectangle is 3cm by 6cm.

3cm

6cm

Six of the rectangles are used to make a larger rectangle .Work out the area of the larger rectangle

_____ sq cm

The Jessica wants to lay artificial grass in her rectangular garden. Each square metre of artificial grass costs $23.

How much should Jessica pay for the artificial grass?

16m

12m

$ _____

A rectangle has an area of 36cm².

The length of the rectangle is 4 times greater than the width of the rectangle.
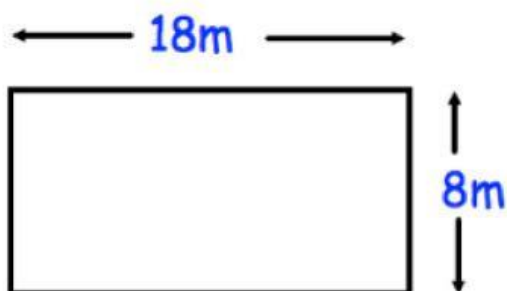
Calculate the :

Value of (l + b) = _____ cm

Perimeter : _____ cm
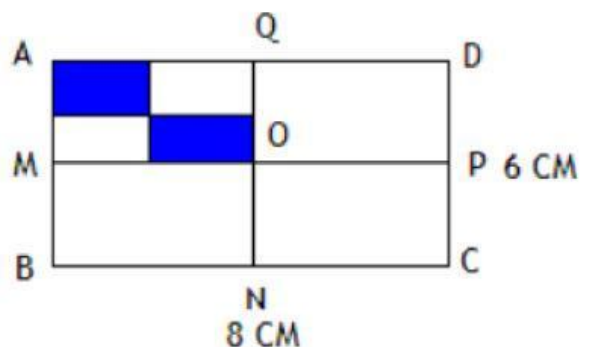
[You Can draw the rectangle on the grid and evaluate your answer]

Mrs Jenkins is a chicken farmer. Her chicken pen is 18m long and 8m wide.

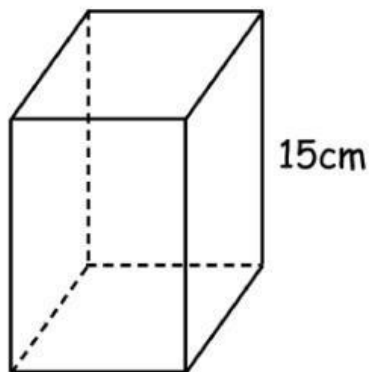Each chicken requires at least 3m². What is the maximum number of chickens Mrs Jenkins can keep?

← 18m →

8m

_____

A Rectangle ABCD has a length of 8 cm and a width of 6 cm. What is the total area of the blue rectangles?

A   Q   D

M   O   P 6 CM

B   C

N
8 CM

_____

Shown below is a cuboid.

The base of the cuboid is a square and the height of the cuboid is 15cm.

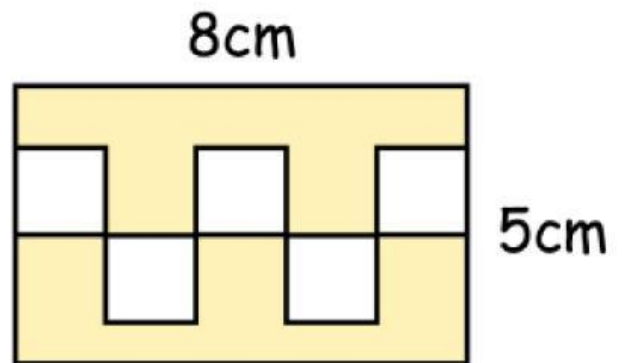The total length of the 12 edges is 112cm. Find the area of the base of the cuboid.

15cm

_____ sq cm
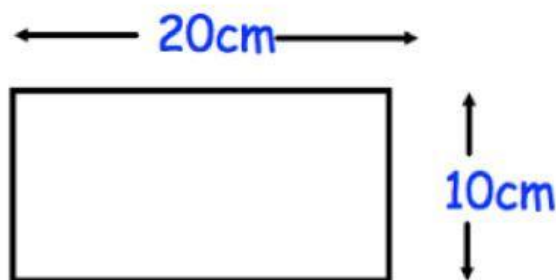
Rory made a rectangular logo, 8cm long and 5cm wide.

There are 5 identical white squares and the rest of the logo is shaded.

Find the area of the logo that is shaded.

8cm

5cm

_____ sq cm

Shown below is a rectangle with length 20cm and width 10cm.
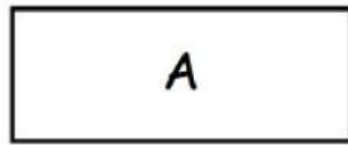
20cm

10cm

If the new length of the rectangle is increased by one-fifth of its original length , and the new width of the rectangle is increased by one- twentieth of its original width.
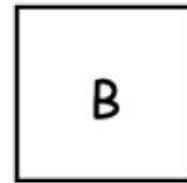
Find the change/ increase on the area of the rectangle.

_____ sq cm

Shown below is a rectangle A and B.

32cm

A

B

Both rectangles have the same area. The perimeter of rectangle B is 114cm.
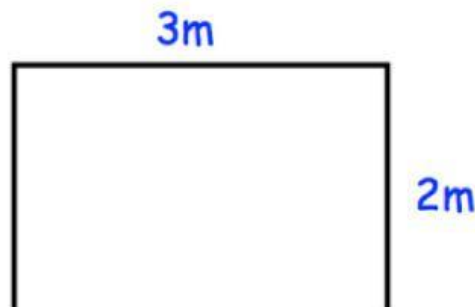The length of rectangle A is 8 times larger than its width.

Find the length of rectangle A.

_____ cm

Mr Jones is tiling his kitchen floor.

The kitchen floor measures 3m by 2m.

Each tile is 30cm by 20cm. How many tiles does he need? _____

3m

30cm
20cm

2m

Jessica is tiling her bathroom wall. The wall is 240cm by 200cm. The tiles are squares with side length 20cm.

Each box contains 15 tiles and costs $8.75.

How much will it cost Jessica for the tiles? $ _____

240cm

20cm

200cm