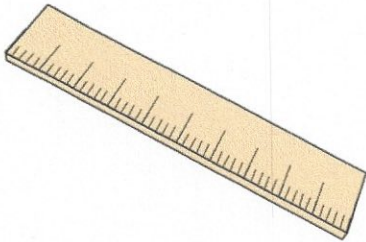


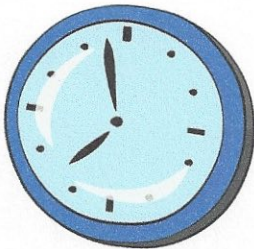
Primary Practice Questions



Corbettmaths



Area of a Square Area of a Rectangle



Tips

- Read each question carefully
- Attempt every question.
- Check your answers seem right.
- Always show your workings

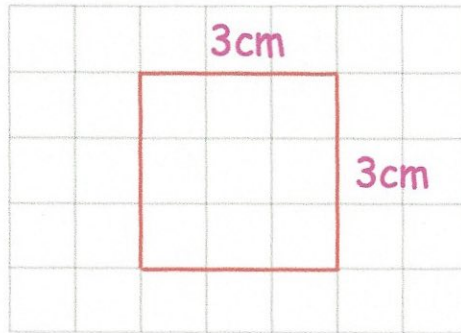
Recap



Remember

- There are daily questions found at
www.corbettmaths.com/5-a-day/primary

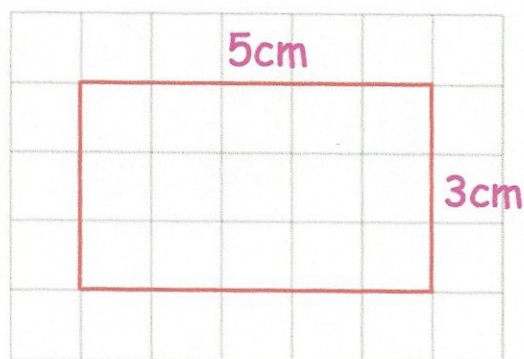
1. Work out the area of this square



$$3 \times 3 = 9$$

9 cm²

2. Work out the area of this rectangle



$$5 \times 3 = 15$$

15 cm²

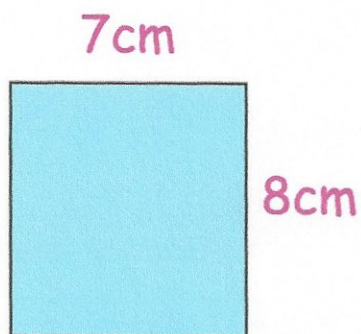
3. Work out the area of this rectangle



$$9 \times 5 = 45$$

45 cm²

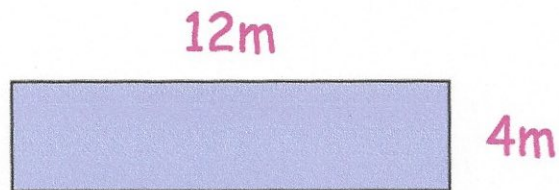
4. Work out the area of this rectangle



$$7 \times 8 = 56$$

56 cm²

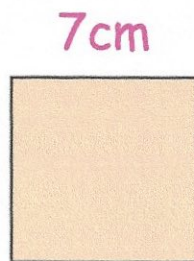
5. Work out the area of this rectangle



$$12 \times 4 = 48$$

48 m²

6. Work out the area of this square



$$7 \times 7 = 49$$

49 cm²

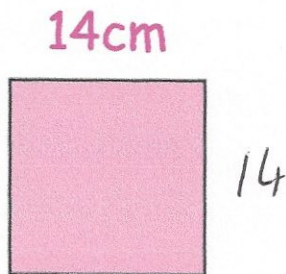
7. Work out the area of this rectangle



$$\begin{array}{r} 65 \\ \times 9 \\ \hline 585 \end{array}$$

$$585 \text{ cm}^2$$

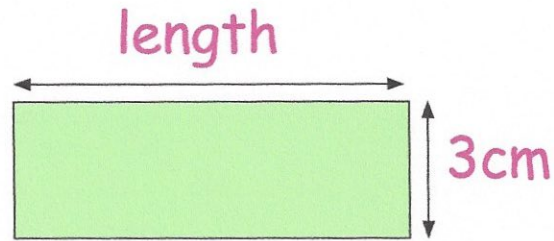
8. Work out the area of this square



$$\begin{array}{r} 14 \\ \times 14 \\ \hline 56 \\ 140 \\ \hline 196 \end{array}$$

$$196 \text{ cm}^2$$

9.



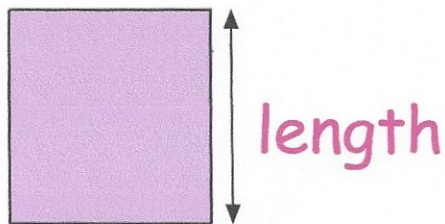
The area of this rectangle is 27cm^2

Work out the length of the rectangle

$$27 \div 3 = 9$$

| | |
|---|----|
| 9 | cm |
|---|----|

10.



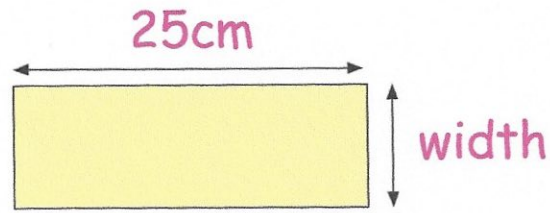
The area of this square is 36cm^2

Work out the length of each side of the square

$$6 \times 6 = 36$$

| | |
|---|----|
| 6 | cm |
|---|----|

11.



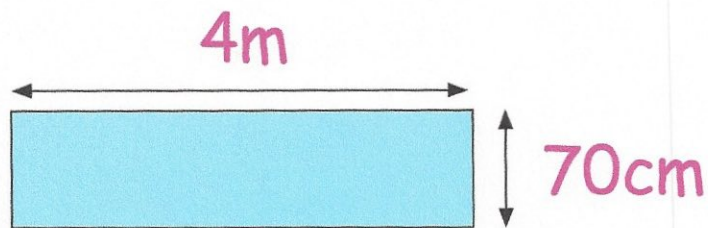
The area of this rectangle is 300cm^2

Work out the width of the rectangle

$$\begin{array}{r} 012 \\ 25 \overline{) 300} \\ \underline{25} \\ 50 \\ \underline{50} \\ 0 \end{array}$$

12 cm

12.



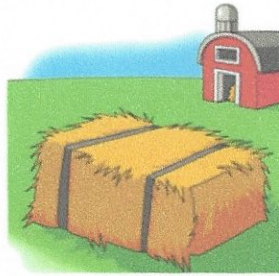
Work out the area of this rectangle.
Include units for your answer.

$$4\text{ m} = 400\text{ cm}$$

$$400 \times 70 = 28000$$

28000 cm^2

13. A farmer has a rectangular field that is 30m long and 20m wide.

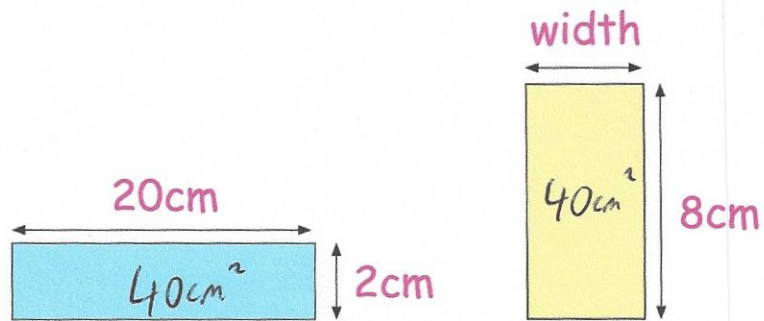


Work out the area of the field

$$\begin{array}{r} 30 \\ \times 20 \\ \hline 600 \end{array}$$

600 m²

14. These two rectangles have the same area.



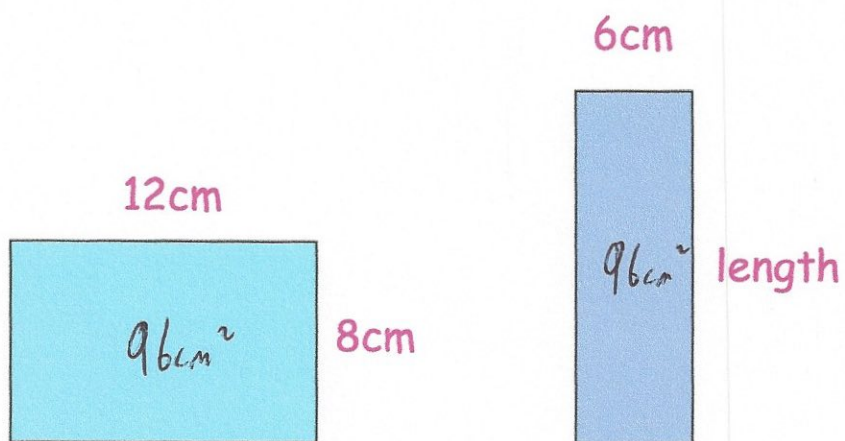
Work out the width of the yellow rectangle

$$20 \times 2 = 40$$

$$40 \div 8 = 5$$

5 cm

15. These two rectangles have the same area



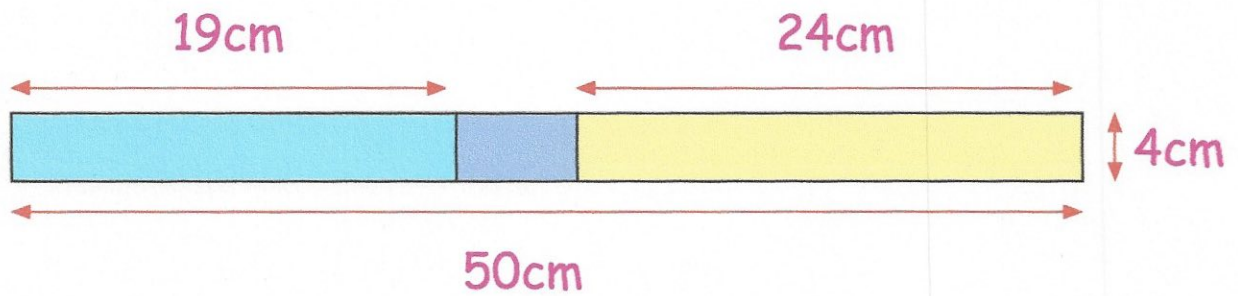
Work out the length of the second rectangle

$$\begin{array}{r} 12 \\ \times 8 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 16 \\ 6 \overline{) 96} \\ \hline \end{array}$$

16 cm

16. Three rectangles are put together



Work out the area of rectangle B

$$19 + 24 = 43$$

$$50 - 43 = 7$$

$$7 \times 4 = 28$$

28 cm²

17. The area of a football pitch is 6,040m².

A hockey pitch is 91 metres long and 37 metres wide.

How much larger is the area of the football pitch than the area of the hockey pitch?

$$\begin{array}{r} 91 \\ \times 37 \\ \hline 637 \\ + 2730 \\ \hline 3367 \end{array}$$

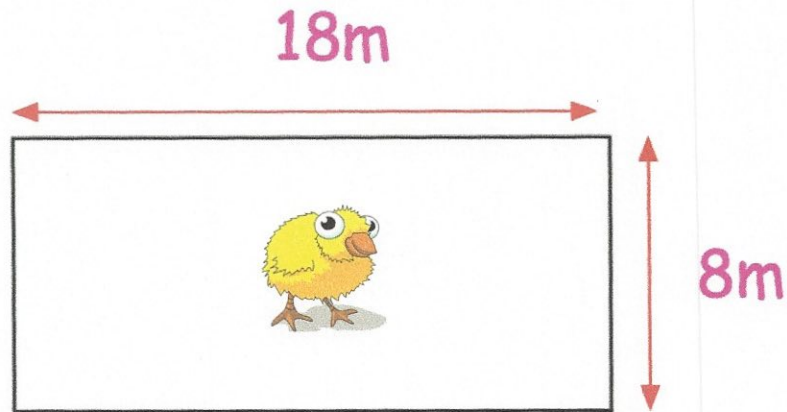
$$\begin{array}{r} 6040 \\ - 3367 \\ \hline 2673 \end{array}$$

2673 m²

18. Mrs Jenkins is a chicken farmer

Her rectangular chicken pen is 18 metres long and 8 metres wide.

Each chicken needs at least 3m^2 of space.



How many chickens can Mrs Jenkins keep?

$$\begin{array}{r} 18 \\ \times 8 \\ \hline 144 \end{array}$$

$$\begin{array}{r} 048 \\ 3 \overline{)144} \end{array}$$

48

19. A square measures 30cm by 30cm

A rectangle is 7cm **longer** and 2cm **narrower** than the square.

What is the **difference** in area between the two shapes?

37cm long
28cm wide

$$\begin{array}{r} 37 \\ \times 28 \\ \hline 296 \\ 740 \\ \hline 1036 \end{array}$$

$$\begin{array}{r} 30 \\ \times 30 \\ \hline 900 \end{array}$$

$$\begin{array}{r} 1036 \\ - 900 \\ \hline 136 \end{array}$$

| |
|---------------------|
| 136 cm ² |
|---------------------|

20. Rosie says

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

Is Rosie right?
Circle Yes or No

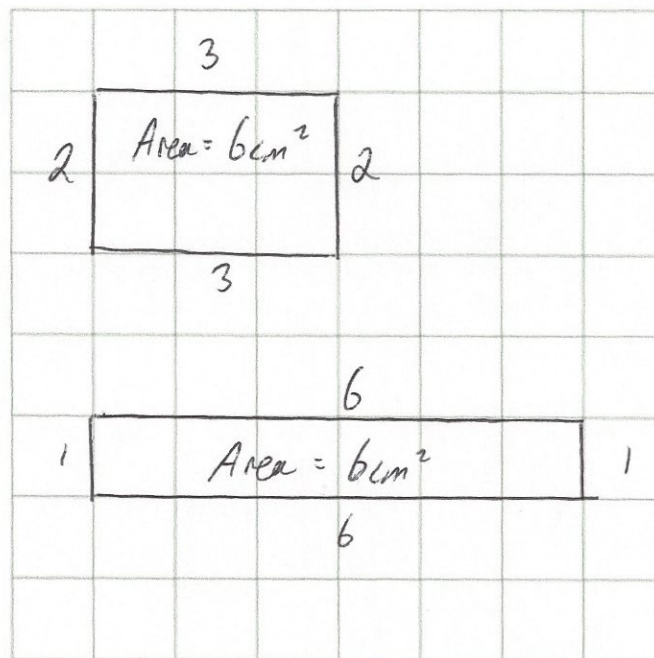
Yes / **No**

Explain your answer

Two rectangles with the same area
can have different perimeters.

A 3cm by 2cm rectangle has an area of 6cm^2 and
perimeter of 10cm.

A 6cm by 1cm rectangle has an area of 6cm^2 and
perimeter of 14cm.



Perimeter
 $3+2+3+2 = 10\text{cm}$

Perimeter
 $6+1+6+1 = 14\text{cm}$