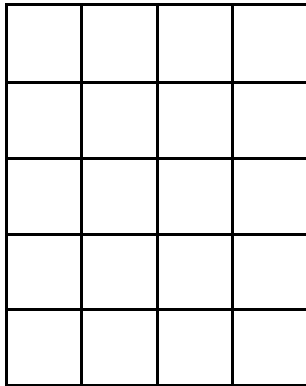
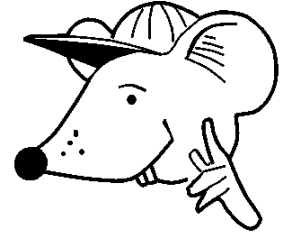


Area of rectangles

Remember: area is measured in squares. Usually we measure small areas in square centimetres.

This can be written sq cm or cm^2 .



This shape has 5 rows of squares and there are 4 squares in each row. (5 lots of 4)

The area can be worked out by multiplying 5 by 4.

$5 \times 4 = 20$. The area is 20 sq cm or 20 cm^2 .

Count to check that this is correct.

Write down a rule for finding the area of a rectangle.....
.....
.....

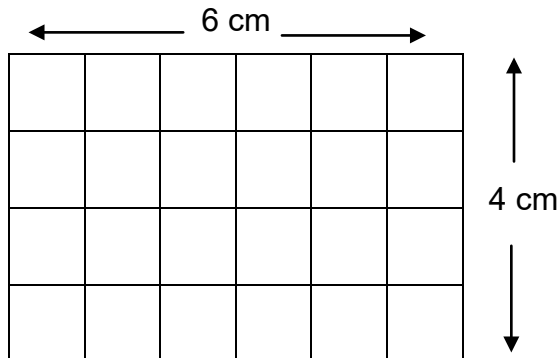
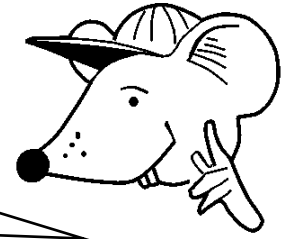
Find the area of these rectangles, by using the rule you wrote above.

1. A rectangle 6 cm long and 3 cm wide
2. A rectangle 5 cm long and 2 cm wide
3. A rectangle 10 cm long and 5 cm wide
4. A rectangle 8 cm long and 6 cm wide
5. A rectangle 4 cm long and 2 cm wide
6. A rectangle 15 cm long and 10 cm wide
7. A rectangle 20 cm long and 4 cm wide
8. A rectangle 11 cm long and 9 cm wide
9. A rectangle 25 cm long and 4 cm wide
10. A rectangle 20 cm long and 8 cm wide

Area of rectangles

You might have worked out an easy way to find the area of rectangles by now.

Multiply the length by the width.



This rectangle is 6 cm long.

Its width or height is 4 cm.

Its area is 6 lots of 4, or 4 lots of 6 squares.

Can you find a quick way of writing down how to find the area of a rectangle. You could use L for length and W for width and A for area. Write your formula in the box below:

Find the area of these rectangles:

1. A rectangle 7 cm long and 4 cm wide
2. A rectangle 7 cm long and 6 cm wide
3. A rectangle 20 cm long and 3 cm wide
4. A rectangle 6 cm long and 11 cm wide
5. A rectangle 5 cm long and 7 cm wide
6. A rectangle 12 cm long and 6 cm wide
7. A rectangle 30 cm long and 3 cm wide
8. A rectangle 14 cm long and 10 cm wide
9. A rectangle 50 cm long and 10 cm wide
10. A rectangle 40 cm long and 4 cm wide

Answers

Measurements may vary depending on the printer settings used

Page 1

- | | | | | |
|--------------|-------------|-------------|--------------|---------------|
| 1. 18 sq cm | 2. 10 sq cm | 3. 50 sq cm | 4. 48 sq cm | 5. 8 sq cm |
| 6. 150 sq cm | 7. 80 sq cm | 8. 99 sq cm | 9. 100 sq cm | 10. 160 sq cm |

Page 2

- | | | | | |
|-------------|-------------|--------------|--------------|---------------|
| 1. 28 sq cm | 2. 42 sq cm | 3. 60 sq cm | 4. 66 sq cm | 5. 35 sq cm |
| 6. 72 sq cm | 7. 90 sq cm | 8. 140 sq cm | 9. 500 sq cm | 10. 160 sq cm |