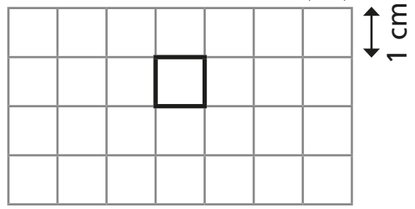
# Area of rectangles

**1** On the grid, the area of each square is 1 cm²

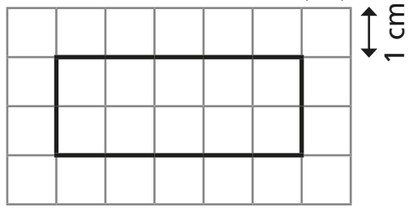
Calculate the area of each rectangle.

**a)**



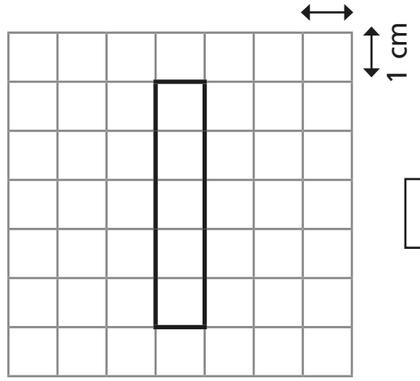

1 cm²

**c)**



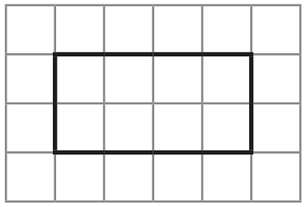

10 cm²

**b)**




5 cm²

**2** Complete the sentences to describe the rectangle.



There are 2 rows.

Each row has 4 squares.

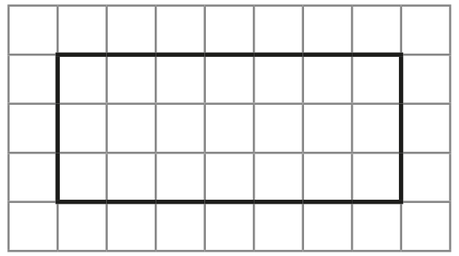
There are 8 squares altogether.

2 × 4 = 8

**3** The area of each square is 1 cm²

Work out the area of each rectangle.

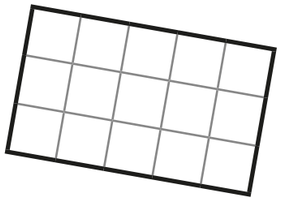
**a)**



3 × 7 = 21

area = 21 cm²

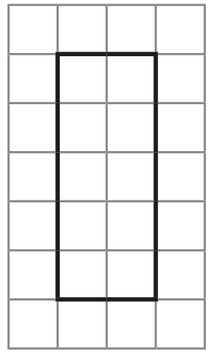
**c)**



3 × 5 = 15

area = 15 cm²

**b)**



5 × 2 = 10

area = 10 cm²

**d)**

7 × 1 = 7

area = 7 cm²

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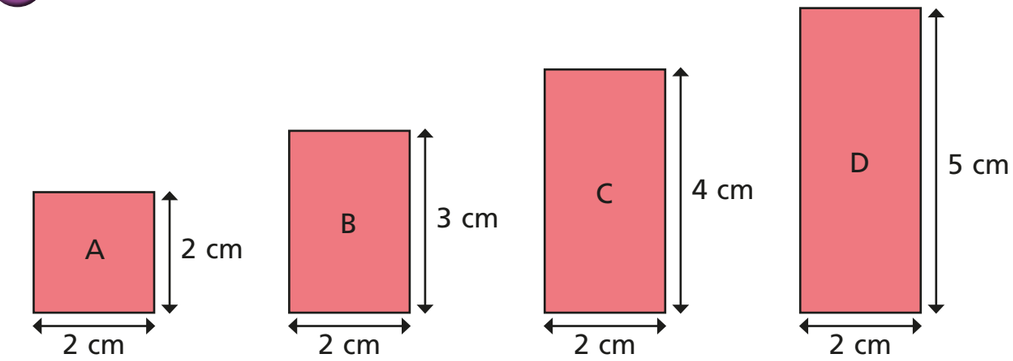
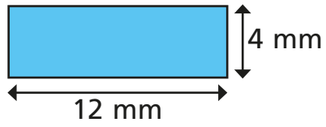
**4** Calculate the area of the rectangles.




A = 4 cm²  B = 6 cm²  C = 8 cm²  D = 10 cm²

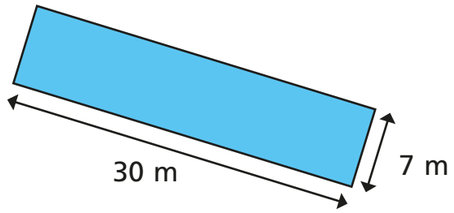
**5** Work out the area of these rectangles.

**a)**



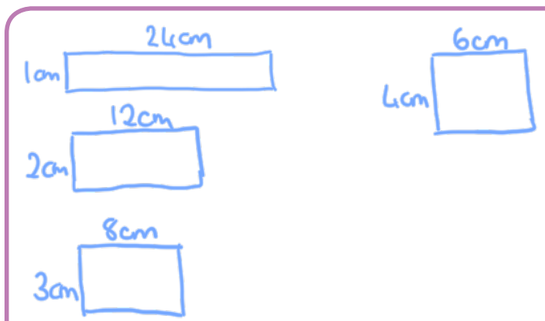

48 mm²

**b)**



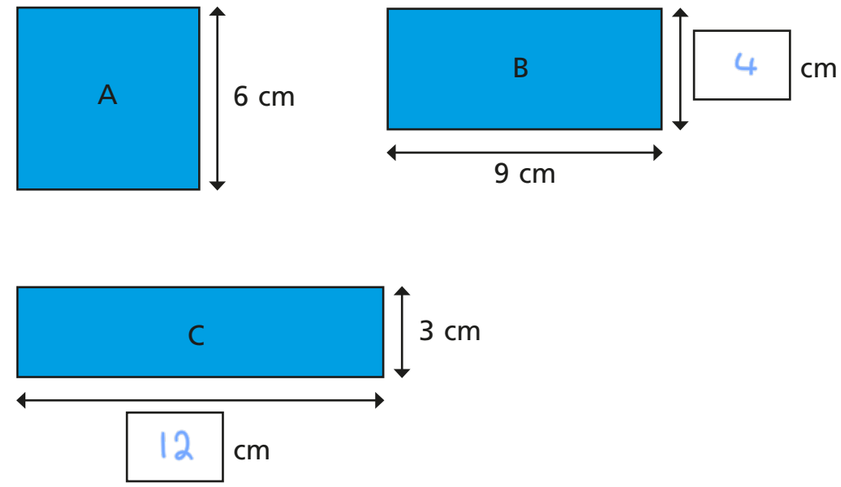

210 m²

**6** How many rectangles can you draw that have an area of 24 cm²?
Label the lengths. Your drawings do not have to be exact.




Compare your answers with a partner.

**7** These shapes all have the same area. Shape A is a square.
Work out the missing lengths.




**8** A rectangle has an area of 96 cm²
The length of the rectangle is 4 cm longer than the width.
Work out the length and width of the rectangle.

length = 12cm  width = 8cm

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