

Calculating area 2

- 1 Calculate the area of each rectangle without counting all of the squares.

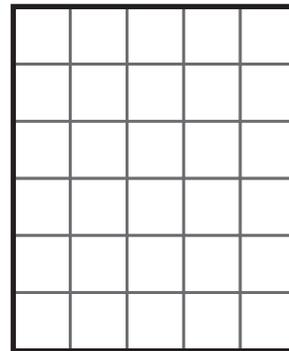
1 square = 1 cm²

- a) rows
 squares in each row

Total number of squares:

$$\boxed{} \times \boxed{} = \boxed{}$$

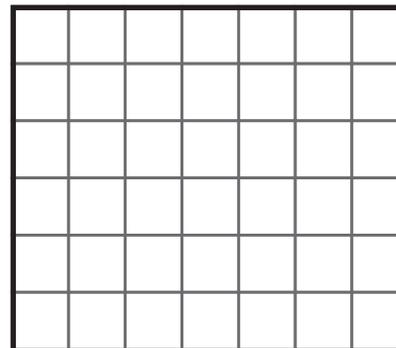
$$\text{Area} = \boxed{} \text{ cm}^2$$



- b) Area = length × width

$$= \boxed{} \times \boxed{}$$

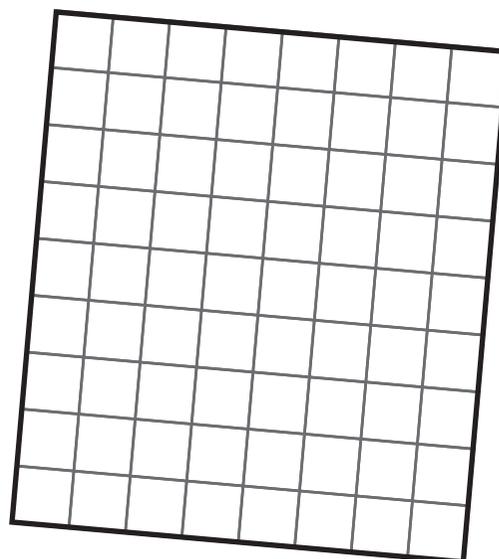
$$\text{Area} = \boxed{} \text{ cm}^2$$



- c) Area = length × width

$$= \boxed{} \times \boxed{}$$

$$\text{Area} = \boxed{} \text{ cm}^2$$



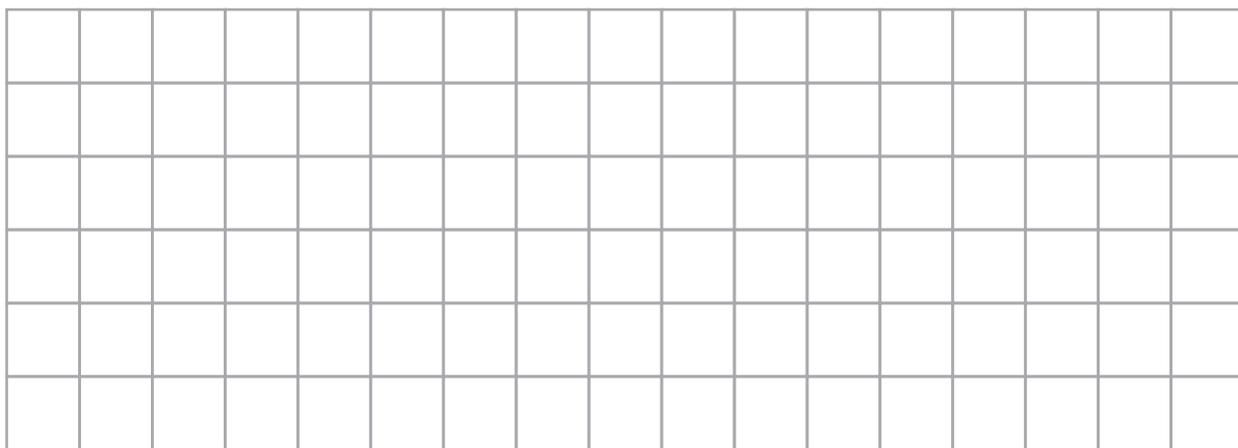
Do not forget:
 Area = length × width
 $A = l \times w$



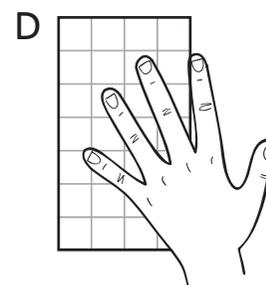
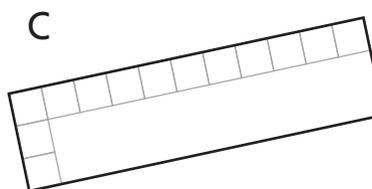
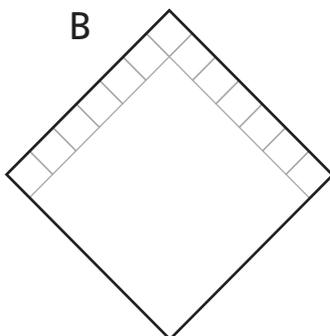
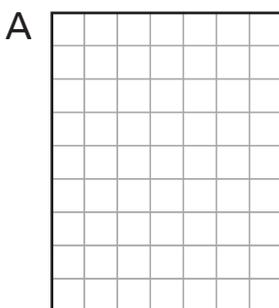
- 2 a) Max has 16 counters. Draw the different arrays he can make using them.



- b) Use part a) to help you draw two rectangles, each with an area of 16 cm².



- 3 Find the area of each shape to complete the table. $\square = 1 \text{ m}^2$



Shape	Length	Width	Area (cm ²)
A			
B			
C			
D			

4 Ebo wants to find rectangles with an area of 40 cm^2 .

Show how Ebo uses the factor pairs to find rectangles with an area of 40 cm^2 .



I could use the factor pairs of 40 to help me find possible lengths and widths.



Ebo

5 Ambika has a 25 cm by 20 cm piece of card.

She cuts the largest possible square out of her card.

What is the area of card she has left?

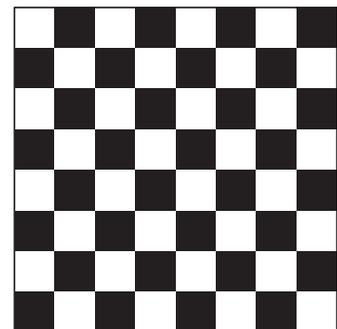
CHALLENGE



Reflect

A giant chessboard is made up of 1 metre squares.

Explain how you can find the area without counting every single square. Give your answer in m^2 .



- _____
- _____
- _____