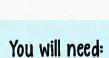
# Perimeter of rectangles

Measure and calculate the perimeter of rectangles using the rule P = 2(a + b)

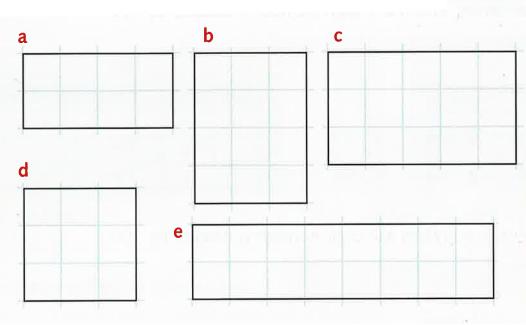


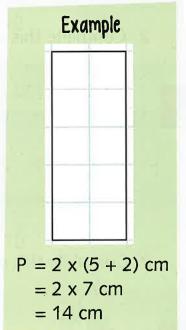
Copy each diagram on to 1 cm squared paper then:

- measure its length and breadth
- calculate its perimeter using the rule perimeter = twice (length plus breadth)



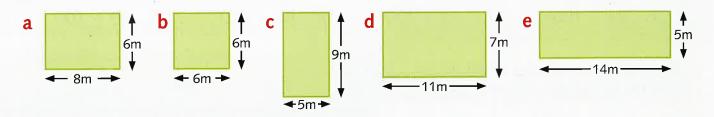
- ruler
- 1 cm squared paper





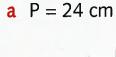
illenge **7** 

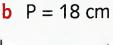
Use the rule from Challenge 1 to find the perimeter of these rectangular fields.

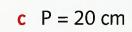


allenge 3\_\_\_

Copy and complete these rectangles on 1 cm squared paper so they have the perimeters given.









## Counting squares for area

Find the area of rectangles by counting squares



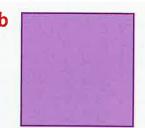


Write the number of centicubes you need to cover each rectangle.

#### You will need:

centicubes



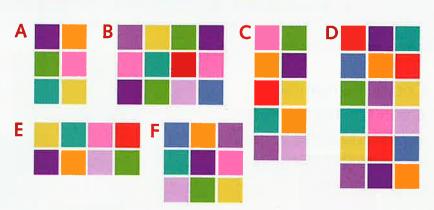






llenge 2

1 Find the area of each rectangle by counting the number of squares.



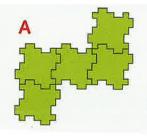
- 2 Which rectangle has:
  - a the smallest area?
  - c half the area of rectangle D?
- b the greatest area?
- d an area 2 squares less than rectangle E?

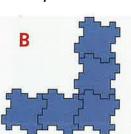
llenge **3** 

- 1 Use interlocking squares to make the four shapes below.
- 2 Fit the shapes together to make a rectangle 5 units by 4 units.
- 3 Copy the rectangle on to 1 cm squared paper.
- 4 Use coloured pencils to show how the four shapes fit together.
- **5** Record the area and perimeter of your rectangle.



- interlocking squares
- 1 cm squared paper
- coloured pencils











### Finding area



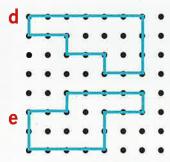




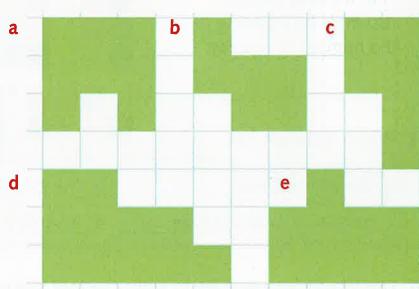
Find the area of each shape on the pinboard by counting the number of squares.

a

C



Count the number of green squares in each shape and write its area. Don't forget the unit in your answers.



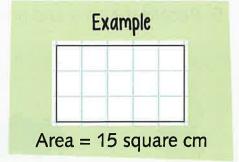


Draw these rectangles on 1 cm squared paper. Below each one, write its area.

- a 6 cm long and 2 cm wide
- b 7 cm long and 4 cm wide
- c 9 cm long and 5 cm wide

#### You will need:

- 1 cm squared paper
- ruler



#### Calculating area

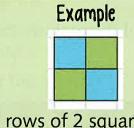
Use multiplication to calculate the area of rectangles





Each small square is 1 square cm. Calculate the area of these rectangles.

a b c

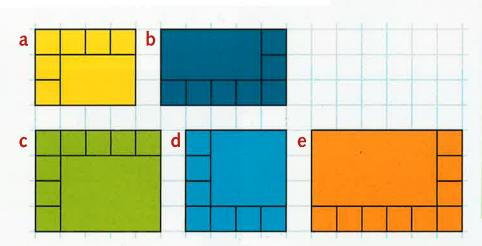


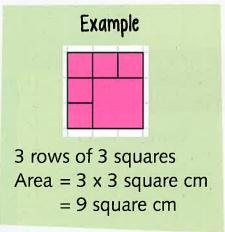
2 rows of 2 squares Area = 2 x 2 square cm = 4 square cm

nallenge 2

Each small square is 1 square cm.

Calculate the area of these rectangles.





allenge 3

Draw squares A to D on 1cm square dot paper.

- a Find the area of each square.
- **b** Draw the next two squares in the pattern. Label them E and F.
- c Find the area of squares E and F.
- d Predict the areas of squares G and H.
- e Check your predictions by drawing the squares.

#### You will need:

- 1 cm square dot paper
- ruler

