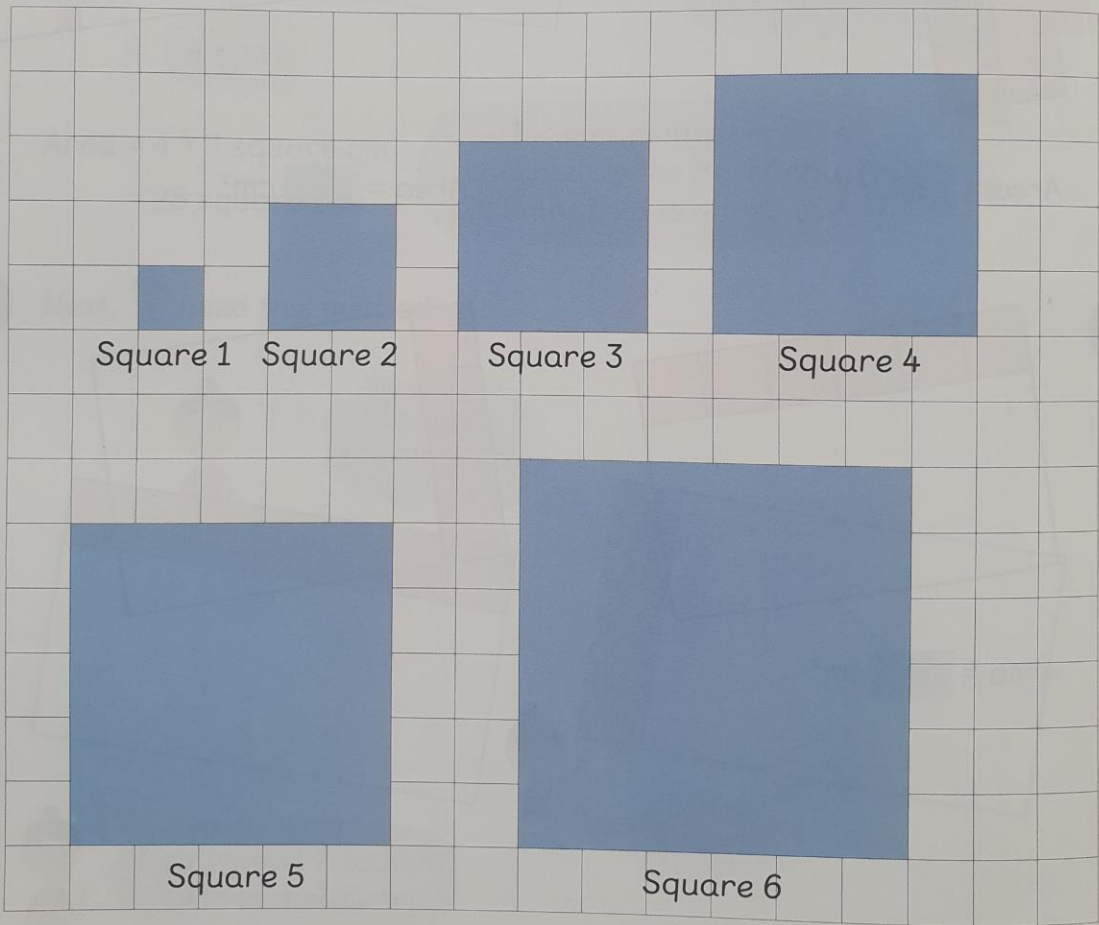



# Measuring the Area

## In Focus



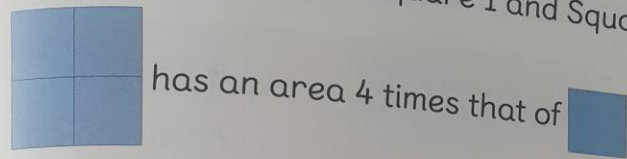
makes squares according to a rule.



How many  are needed to make the next square?

## Let's Learn

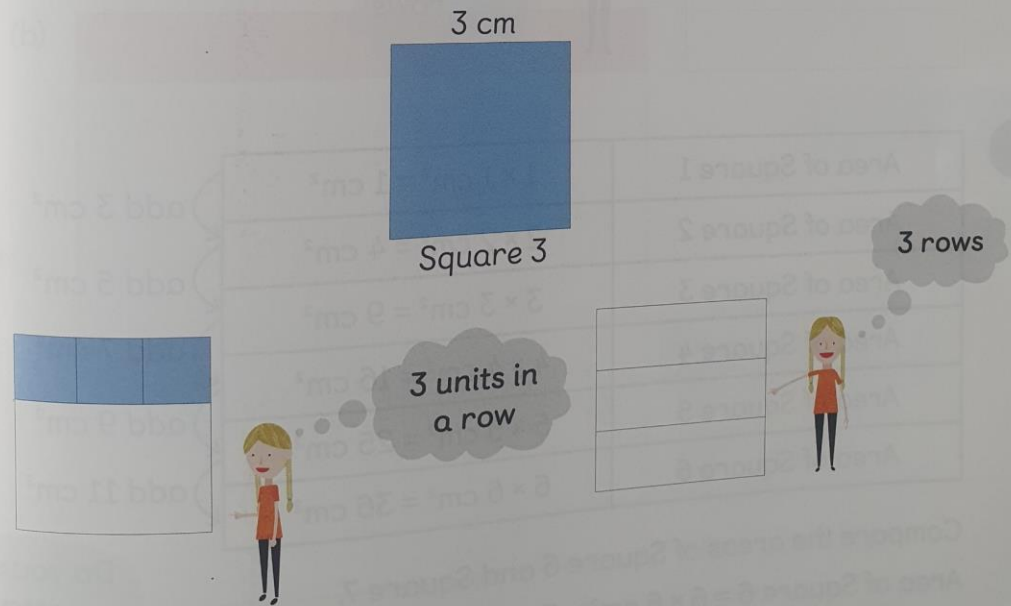
- 1 Compare the areas of Square 1 and Square 2.



Area of  = 1 cm<sup>2</sup>

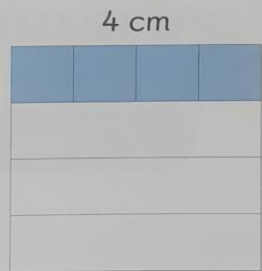
Area of  = 4 cm<sup>2</sup>

- 2 Find the area of Square 3.



$3 \times 3 = 9$

3 Find the area of Square 4 and Square 5.

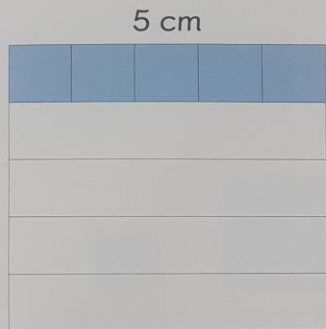


4 units in  
a row

4 rows

$$4 \times 4 = 16$$

$$\text{Area} = 16 \text{ cm}^2$$



units  
in a row

rows

$$\square \times \square = \square$$

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

4

Area of Square 1	$1 \times 1 \text{ cm}^2 = 1 \text{ cm}^2$
Area of Square 2	$2 \times 2 \text{ cm}^2 = 4 \text{ cm}^2$
Area of Square 3	$3 \times 3 \text{ cm}^2 = 9 \text{ cm}^2$
Area of Square 4	$4 \times 4 \text{ cm}^2 = 16 \text{ cm}^2$
Area of Square 5	$5 \times 5 \text{ cm}^2 = 25 \text{ cm}^2$
Area of Square 6	$6 \times 6 \text{ cm}^2 = 36 \text{ cm}^2$

add  $3 \text{ cm}^2$

add  $5 \text{ cm}^2$

add  $7 \text{ cm}^2$

add  $9 \text{ cm}^2$

add  $11 \text{ cm}^2$

Compare the areas of Square 6 and Square 7.

$$\text{Area of Square 6} = 6 \times 6 \text{ cm}^2 = 36 \text{ cm}^2$$

$$\text{Area of Square 7} = 7 \times 7 \text{ cm}^2 = 49 \text{ cm}^2$$

Add  $13 \text{ cm}^2$ .

Do you see a  
pattern?



Compare the areas of Square 9 and Square 10.

## Guided Practice

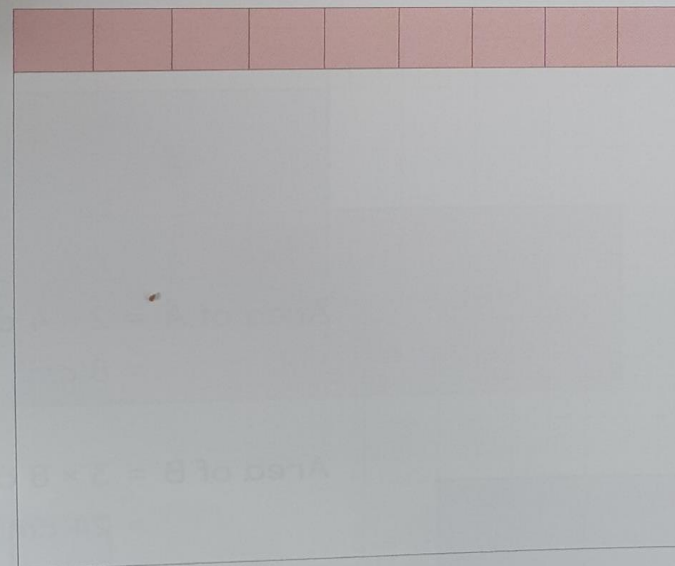
1

Find the area of each square.

(a)



(b)



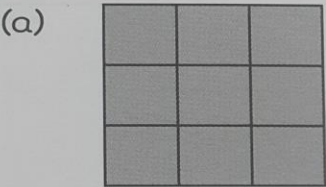
2

A square has sides of length 10 cm. Find its area.

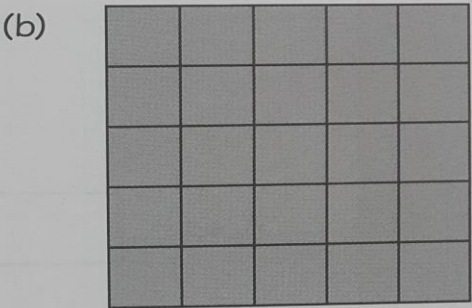
Measuring the Area

1 Each  measures 1 cm by 1 cm.

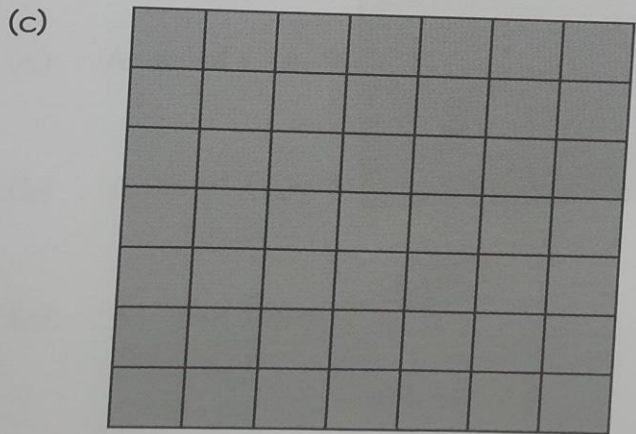
Find the area of each square.




Area =



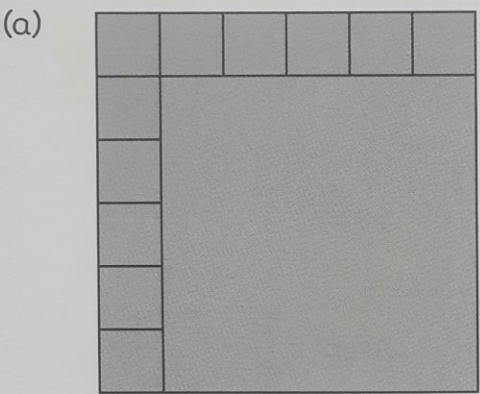
Area =



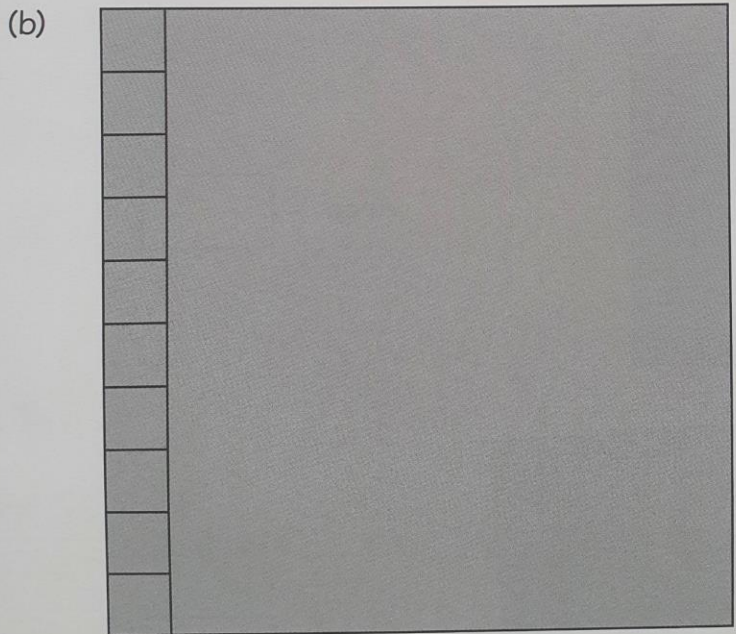
Area =

2 Each  measures 1 cm by 1 cm.

Find the area of each square.



Area =



Area =