



Area in Square Centimeters



Watch video

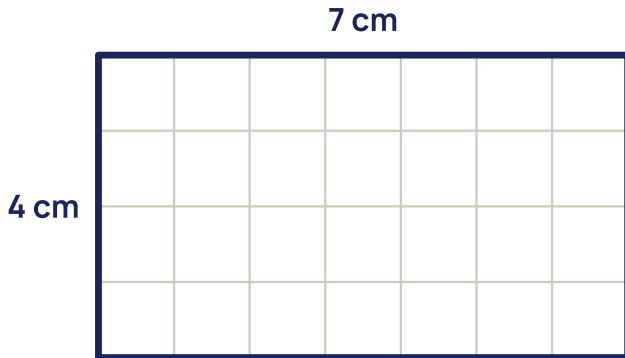
MathApex

Name: _____

Date: _____

From the video 5 cm long, 3 cm wide → 3 rows of 5 squares of 1 cm each → $5 \times 3 = 15 \text{ cm}^2$ **1 Now it's your turn!**

A rectangle is 7 cm long and 4 cm wide. What is its area in cm^2 ?



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

3 Without squares.

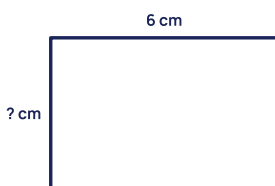
There are no squares to help you now. Calculate with the side lengths.



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

5 Think backwards.

The rectangle has an area of 24 cm^2 and is 6 cm long. How wide is it?



$$24 \div 6 = \square \text{ cm}$$

2 Calculate the area.

A rectangle is 4 cm long and 2 cm wide.



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

4 Words only.

a) A rectangle is 8 cm long and 5 cm wide. What is the area?

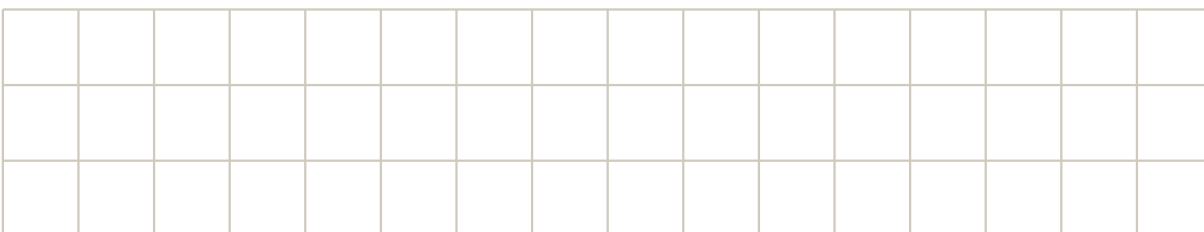
$$\square \times \square = \square \text{ cm}^2$$

b) A square has a side length of 4 cm. What is its area?

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

★ Brain teaser

A rectangle is twice as long as it is wide. It is 3 cm wide. What is its area?

6 Draw two different rectangles with an area of 20 cm^2 each. Write the calculation next to them.



Area in Square Centimeters

**1 Now it's your turn!**

$$7 \times 4 = 28 \text{ cm}^2$$

4 rows of 7 squares of 1 cm each – or 7 columns of 4.

2 Calculate the area.

$$4 \times 2 = 8 \text{ cm}^2$$

3 Without squares.

$$8 \times 3 = 24 \text{ cm}^2$$

4 Words only.

$$8 \times 5 = 40 \text{ cm}^2$$

$$4 \times 4 = 16 \text{ cm}^2$$

5 Think backwards.

$$24 \div 6 = 4 \text{ cm}$$

Check: $6 \times 4 = 24 \text{ cm}^2$

★ Brain teaser

$$6 \times 3 = 18 \text{ cm}^2$$

Length 6 cm, width 3 cm.

6 Rectangles with 20 cm^2 .

$$20 \times 1 = 20 \text{ cm}^2 \quad 10 \times 2 = 20 \text{ cm}^2 \quad 5 \times 4 = 20 \text{ cm}^2$$

For parents and teachers: This worksheet goes with the video “Area in Square Centimeters” (Math Story 92, Grade 4). The rectangles with squares are printed at actual size: 1 square = 1 cm^2 . Children may count first and then calculate.

More Math Stories with video and worksheet: www.mathapex.app/en/math-stories/