LESSON MAKER PRO

Rectangle Area Quest

Use side lengths to find square units.

GRADE 3 · 3.MD.C.7b

CCSS.Math.Content.3.MD.C.7b "Multiply side lengths to find areas of rectangles with whole-number side lengths in the context of solving real world and mathematical problems, and represent whole-number products as rectangular areas in mathematical reasoning."

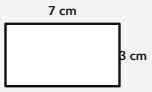
NAME _____ DATE _____

MULTIPLY SIDE LENGTHS

A rectangle's area tells how many square units cover its inside. Multiply the length by the width, then write the answer in square units.

WORKED EXAMPLE

Find the area of the rectangle shown.

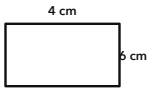


1. Read the side lengths: 7 cm and 3 cm.
2. Multiply: 7 × 3 = 21.
3. Write the area in square centimeters.

Answer: 21 cm²

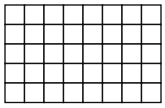
PRACTICE 6 problems

1 Find the area of the rectangle shown.



ANSWER _____

2 Find the area of the rectangle shown. Each small square is 1 square unit.



ANSWER _____

3 A rectangle is 9 units long and 2 units wide. What is its area?

ANSWER _____

4 A garden bed is 10 feet long and 4 feet wide. What is its area?

ANSWER _____

5 A rectangle is 11 meters long and 2 meters wide. Write a multiplication equation and the area.

ANSWER _____

6 A rectangle is 12 inches long and 5 inches wide. What is its area?

ANSWER _____

APPLY IT Show your work

1 The class is choosing a reading rug that is 6 feet long and 8 feet wide. What area of the floor will the rug cover?

WORK SPACE

ANSWER _____

2 Diego is making a game board with 9 rows of 4 square spaces. What is the area of the game board in square spaces?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A rectangle has an area of 54 square units and a width of 9 units. What is its length? Explain how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Rectangle Area Quest

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find the area of the rectangle shown.	**24 cm^2**
2	Find the area of the rectangle shown. Each small square is 1 square unit.	**40 square units**
3	A rectangle is 9 units long and 2 units wide. What is its area?	**18 square units**
4	A garden bed is 10 feet long and 4 feet wide. What is its area?	**40 ft^2**
5	A rectangle is 11 meters long and 2 meters wide. Write a multiplication equation and the area.	**11 × 2 = 22; 22 m^2**
6	A rectangle is 12 inches long and 5 inches wide. What is its area?	**60 in^2**

PART 2 · APPLY IT

1. **48 ft^2** Multiply the side lengths: 6 × 8 = 48. The rug covers 48 square feet.
2. **36 square spaces** Multiply the rows by the spaces in each row: 9 × 4 = 36. The board has 36 square spaces.

CHALLENGE

6 units; 9 × 6 = 54, so the length is 6 units.

Accept equivalent multiplication equations with the factors reversed. Require square units, square spaces, or the matching squared unit label for area answers.