

Area Adventure

Multiply side lengths to find rectangle area.

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 _____

FIND RECTANGLE AREA

Area tells how many square units cover the inside of a rectangle. Multiply the length by the width to find the area. You can think of the rectangle as equal rows of square units.

WORKED EXAMPLE

A rectangle is 7 units long and 4 units wide. What is its area?

1. Area = length x width.

2. Area = 7×4 .

3. $7 \times 4 = 28$.

Answer: 28 square units

PRACTICE 6 problems

- 1** A rectangle is 2 cm long and 6 cm wide. What is its area?

ANSWER _____

- 2** A rectangle is 8 inches long and 3 inches wide. What is its area?

ANSWER _____

- 3** A sheet of paper is 9 inches long and 5 inches wide. What is its area?

ANSWER _____

- 4** A rectangular floor is 6 feet long and 6 feet wide. What is its area?

ANSWER _____

- 5** A rectangle is 1 yard long and 9 yards wide. What is its area?

ANSWER _____

- 6** A rectangle is 3 meters long and 10 meters wide. What is its area?

ANSWER _____

APPLY IT Show your work

- 1** Kai is making a rectangular sticker display for a game club. The display is 12 inches long and 5 inches wide. What is the area of the display?

WORK SPACE

ANSWER _____

- 2** A rectangular rug for the reading corner is 11 feet long and 3 feet wide. What is the area of the rug?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A rectangular game-board mat has an area of 54 square inches. One side is 6 inches long. How long is the other side? Write a multiplication equation.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A rectangle is 2 cm long and 6 cm wide. What is its area?	12 square centimeters
2	A rectangle is 8 inches long and 3 inches wide. What is its area?	24 square inches
3	A sheet of paper is 9 inches long and 5 inches wide. What is its area?	45 square inches
4	A rectangular floor is 6 feet long and 6 feet wide. What is its area?	36 square feet
5	A rectangle is 1 yard long and 9 yards wide. What is its area?	9 square yards
6	A rectangle is 3 meters long and 10 meters wide. What is its area?	30 square meters

PART 2 • APPLY IT

1. **60 square inches** Multiply the side lengths: $12 \times 5 = 60$. The display covers 60 square inches.
2. **33 square feet** Multiply the side lengths: $11 \times 3 = 33$. The rug covers 33 square feet.

CHALLENGE

9 inches; $6 \times 9 = 54$ square inches

Accept correct area units written as square units, such as square centimeters or cm^2 . For the challenge, accept any correct multiplication equation showing $6 \times 9 = 54$.