

Rectangle Space Sleuths

Find how much flat space each rectangle covers.

GRADE 3 • 3.GSR.7

3.GSR.7 "Identify area as a measurable attribute of rectangles and determine the area of a rectangle presented in real-life, mathematical problems."

NAME _____

DATE _____

MEASURE AREA

Area tells how much flat space is inside a rectangle. To find area, multiply the length by the width. Write the answer in square units, such as square centimeters or square tiles.

WORKED EXAMPLE

Find the area of a rectangle that is 8 units long and 6 units wide.

1. Area = length x width.
2. $8 \times 6 = 48$.
3. The rectangle covers 48 square units.

Answer: 48 square units

PRACTICE 6 problems

- 1** Find the area of a rectangle that is 4 cm long and 5 cm wide.

ANSWER _____

- 2** Find the area of a rectangle that is 2 inches long and 9 inches wide.

ANSWER _____

- 3** Find the area of a rectangle that is 3 units long and 7 units wide.

ANSWER _____

- 4** Find the area of a rectangle that is 5 meters long and 5 meters wide.

ANSWER _____

- 5** Find the area of a rectangle that is 4 feet long and 10 feet wide.

ANSWER _____

- 6** Find the area of a rectangle that is 9 tiles long and 3 tiles wide.

ANSWER _____

APPLY IT Show your work

- 1** Mia is making a rectangular garden for butterflies. The garden is 7 feet long and 4 feet wide. What is the area of the garden?

WORK SPACE

ANSWER _____

- 2** A rectangular game board is 12 inches long and 2 inches wide. What is the area of the game board?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A rectangle has an area of 48 square units. Its length is 12 units. What is its width? Explain how you know.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Find the area of a rectangle that is 4 cm long and 5 cm wide.	20 square centimeters
2	Find the area of a rectangle that is 2 inches long and 9 inches wide.	18 square inches
3	Find the area of a rectangle that is 3 units long and 7 units wide.	21 square units
4	Find the area of a rectangle that is 5 meters long and 5 meters wide.	25 square meters
5	Find the area of a rectangle that is 4 feet long and 10 feet wide.	40 square feet
6	Find the area of a rectangle that is 9 tiles long and 3 tiles wide.	27 square tiles

PART 2 • APPLY IT

1. **28 square feet** Multiply the length by the width. $7 \times 4 = 28$ square feet.
2. **24 square inches** Multiply the length by the width. $12 \times 2 = 24$ square inches.

CHALLENGE

4 units. Since $12 \times 4 = 48$, the width is 4 units.

Accept answers with correct square-unit labels or the matching abbreviation, such as sq. cm. For the challenge, accept a multiplication equation or a division equation that shows 48 divided by 12 equals 4.