

Rectangle Area Quest

Use multiplication to find space inside rectangles.

GRADE 3 • 3.GSR.7.3

3.GSR.7.3 "Discover and explain how area can be found by multiplying the dimensions of a rectangle."

NAME _____

DATE _____

MULTIPLY FOR AREA

Area tells how many square units cover the inside of a rectangle. Multiply the length by the width to find the area.

WORKED EXAMPLE

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

1. Area = length $\times$ width.
2. Area = 7×4 .
3. $7 \times 4 = 28$.

Answer: 28 square units

PRACTICE 6 problems

- 1** Find the area of a rectangle that is 2 units long and 6 units wide.

ANSWER _____

- 2** Find the area of a rectangle that is 3 units long and 5 units wide.

ANSWER _____

- 3** Find the area of a rectangle that is 8 units long and 3 units wide.

ANSWER _____

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

ANSWER _____

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

ANSWER _____

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

ANSWER _____

APPLY IT Show your work

- 1** Jay makes a rectangular sticker sheet that is 8 inches long and 5 inches wide. What is the area of the sticker sheet?

WORK SPACE

ANSWER _____

- 2** A classroom reading rug is 3 feet wide and 9 feet long. What is the area of the rug?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A game board is a rectangle that is 9 units long and 6 units wide. Mia says its area is 15 square units because $9 + 6 = 15$. Is Mia correct? Explain how to find the correct area.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Find the area of a rectangle that is 2 units long and 6 units wide.	12 square units
2	Find the area of a rectangle that is 3 units long and 5 units wide.	15 square units
3	Find the area of a rectangle that is 8 units long and 3 units wide.	24 square units
4	Find the area of a rectangle that is 9 units long and 2 units wide.	18 square units
5	Find the area of a rectangle that is 5 units long and 5 units wide.	25 square units
6	Find the area of a rectangle that is 6 units long and 6 units wide.	36 square units

PART 2 • APPLY IT

1. **40 square inches** Multiply 8 by 5. The area is 40 square inches.
2. **27 square feet** Multiply 3 by 9. The area is 27 square feet.

CHALLENGE

Mia is not correct. Area is found by multiplying, so $9 \times 6 = 54$ square units.

Accept answers that include the correct number and correct square units. For the challenge, accept explanations that state area is found by multiplying length and width, with an area of 54 square units.