LESSON MAKER PRO

Area Around Us

Use rows, side lengths, and smaller rectangles to find area.

GRADE 3 · MT.3.MD.7

MT.3.MD.7 "Relate area to the operations of multiplication and addition by: Finding the area of a rectangle with whole-number side lengths by tiling it, and showing that the area is the same as would be found by multiplying the side lengths..."

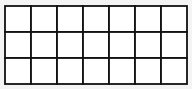
NAME _____ DATE _____

COUNT, MULTIPLY, ADD

A unit square covers one square unit. To find a rectangle's area, multiply the number of rows by the number of unit squares in each row. If a shape is split into rectangles that do not overlap, add the areas of its parts.

WORKED EXAMPLE

Find the area of the tiled rectangle.

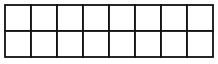


1. Count 7 unit squares in each row.
2. Count 3 rows.
3. Multiply: 3 × 7 = 21.

Answer: 21 square units

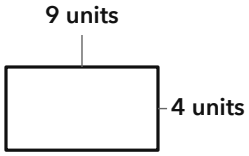
PRACTICE 6 problems

1 What is the area of the tiled rectangle?



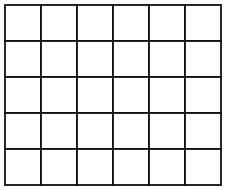
ANSWER _____

2 Find the area of the rectangle.



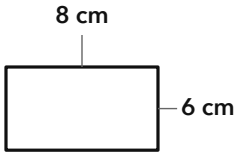
ANSWER _____

3 How many unit squares cover this rectangle?



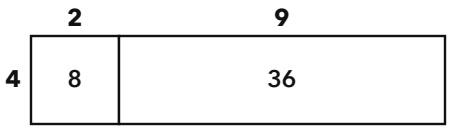
ANSWER _____

4 Find the area of the rectangle.



ANSWER _____

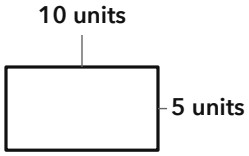
5 The model shows one rectangle split into two parts. Write an addition sentence for its area, then give the total area.



ANSWER _____

_____

6 Find the area of the rectangle.



ANSWER _____

APPLY IT Show your work

1 Children at a Blackfeet community center plan a rectangular play mat that is 6 feet long and 9 feet wide. What is its area?

WORK SPACE

ANSWER _____

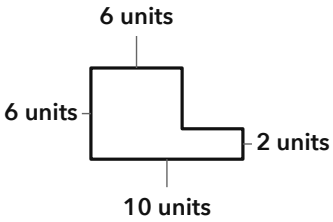
2 At a community event hosted by the Confederated Salish and Kootenai Tribes, students make a rectangular welcome banner that is 4 feet high and 10 feet long. What is the banner's area?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Find the area of the shape. Explain how you split it into two rectangles.



WORK SPACE AND ANSWER

ANSWER KEY

Area Around Us

GRADE 3 · MT.3.MD.7

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	What is the area of the tiled rectangle?	**16 square units**
2	Find the area of the rectangle.	**36 square units**
3	How many unit squares cover this rectangle?	**30 unit squares**
4	Find the area of the rectangle.	**48 square centimeters**
5	The model shows one rectangle split into two parts. Write an addition sentence for its area, then give the total area.	**8 + 36 = 44; 44 square units**
6	Find the area of the rectangle.	**50 square units**

PART 2 · APPLY IT

1. **54 square feet** Multiply the side lengths: 6 × 9 = 54 square feet.
2. **40 square feet** Multiply the side lengths: 4 × 10 = 40 square feet.

CHALLENGE

I split the shape into a 10-by-2 rectangle and a 6-by-4 rectangle. Their areas are 20 and 24 square units, so the total is 44 square units.

Accept equivalent multiplication or addition sentences for the area model. For the challenge, also accept a 6-by-6 rectangle plus a 4-by-2 rectangle, with a total area of 44 square units.