LESSON MAKER PRO

Cover It Up

Find how much flat space a shape covers.

GRADE 3 · 3.MG.2.a.i

3.MG.2.a.i "Solve problems, including those in context, involving area: describe and give examples of area as a measurement in contextual situations; and"

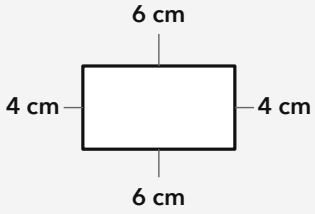
NAME _____ DATE _____

MEASURING AREA

Area tells how much flat space a shape covers. For a rectangle, multiply the length by the width to find the number of square units that cover it.

WORKED EXAMPLE

Find the area of this rectangle.

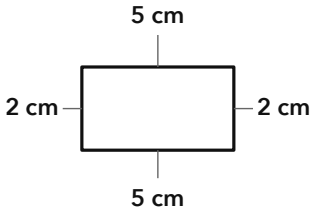


1. The length is 6 cm and the width is 4 cm.
2. Multiply 6 by 4.
3. 6 times 4 = 24 square centimeters.

Answer: 24 square centimeters

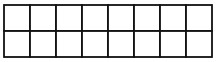
PRACTICE 6 problems

1 Find the area of this rectangle.



ANSWER _____

2 Look at the tiled rectangle. How many square units cover it?



ANSWER _____

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

ANSWER _____

4 A square has side lengths of 11 cm. What is its area?

ANSWER _____

5 A rug covers 40 square feet. What measurement does 40 square feet describe?

ANSWER _____

6 A rectangular book cover is 12 cm long and 5 cm wide. What is its area?

ANSWER _____

APPLY IT Show your work

1 The science club makes a rectangular poster for its robot display. The poster is 8 inches long and 9 inches wide. What area does the poster cover?

2 Invent a real-world problem about the area of a rectangle. Draw and label its length and width in whole centimeters. Solve your problem and explain what the square-centimeter answer measures.

CHALLENGE One step up

Two rectangular game zones do not overlap. One zone is 11 meters long and 2 meters wide. The other is 5 meters long and 9 meters wide. What is the total area of both zones?

ANSWER KEY

Cover It Up

GRADE 3 · 3.MG.2.a.i

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find the area of this rectangle.	**10 square centimeters**
2	Look at the tiled rectangle. How many square units cover it?	**16 square units**
3	A rectangle is 9 cm long and 2 cm wide. What is its area?	**18 square centimeters**
4	A square has side lengths of 11 cm. What is its area?	**121 square centimeters**
5	A rug covers 40 square feet. What measurement does 40 square feet describe?	**area**
6	A rectangular book cover is 12 cm long and 5 cm wide. What is its area?	**60 square centimeters**

PART 2 · APPLY IT

1. **72 square inches** Multiply 8 by 9. The poster covers 72 square inches.
2. **Answers vary. Example: a 10 cm by 10 cm toy floor covers 100 square centimeters. The diagram, context, product and square units must agree.** Check that the student creates a context, labels a rectangle, multiplies its dimensions and explains the covered space rather than the boundary.

CHALLENGE

67 square meters

Accept equivalent unit wording, such as sq. cm or square cm. For the challenge, students may show 22 + 45 = 67.