

MATH

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Measuring Area Using Multiplication

ASSESSMENT



ABOUT THIS

EXIT TICKET

Topic: Mathematics

Grade: Fourth Grade

Standard: 4.MD.A.3

- ❖ Measurement and Data
- ❖ The goal of this Exit Ticket is to measure student understanding of the topic by completing a few quick activities. This Exit Ticket is helpful for deciding if students need more practice on the topic or if they're ready to move onto something new!

MATERIALS & PREPARATION

Before beginning this Exit Ticket:

- ❖ Students should have access to blank paper and a pencil to help solve problems, if needed.

LEARNING

Objectives

Assess student knowledge on the following topics:

- ❖ I know that the formula for area is $\text{Area} = \text{Length} \times \text{Width}$.
- ❖ I can apply the area formula when finding the area of rectangles in real world examples and mathematical problems.
- ❖ I can find the length of an unknown side when given the area and known side of a figure.



Let's
Get Started!



DIRECTIONS

This Exit Ticket will help measure what you've learned in class. You will complete different activities to show your knowledge.

For each activity, there will only be one correct answer. If you get stuck, select the answer that you think is best. After the activities, you will share your feelings about this assessment.



Let's Review Key Information



To measure area, use the formula

Area = Length x Width.

The area of this rectangle is rectangle is 12 square inches.

Length = 4 inches



Width
= 3 inches

$$4 \times 3 = 12$$



Area is measured using square units. Some examples of square units are:

- Square centimeters OR square cm.
- Square inches OR square in.
- Square feet OR square ft.



Let's Create!

Draw It



What is the area of the rectangle?

_____ square cm.

Length = 5 cm.



Width = 3 cm.

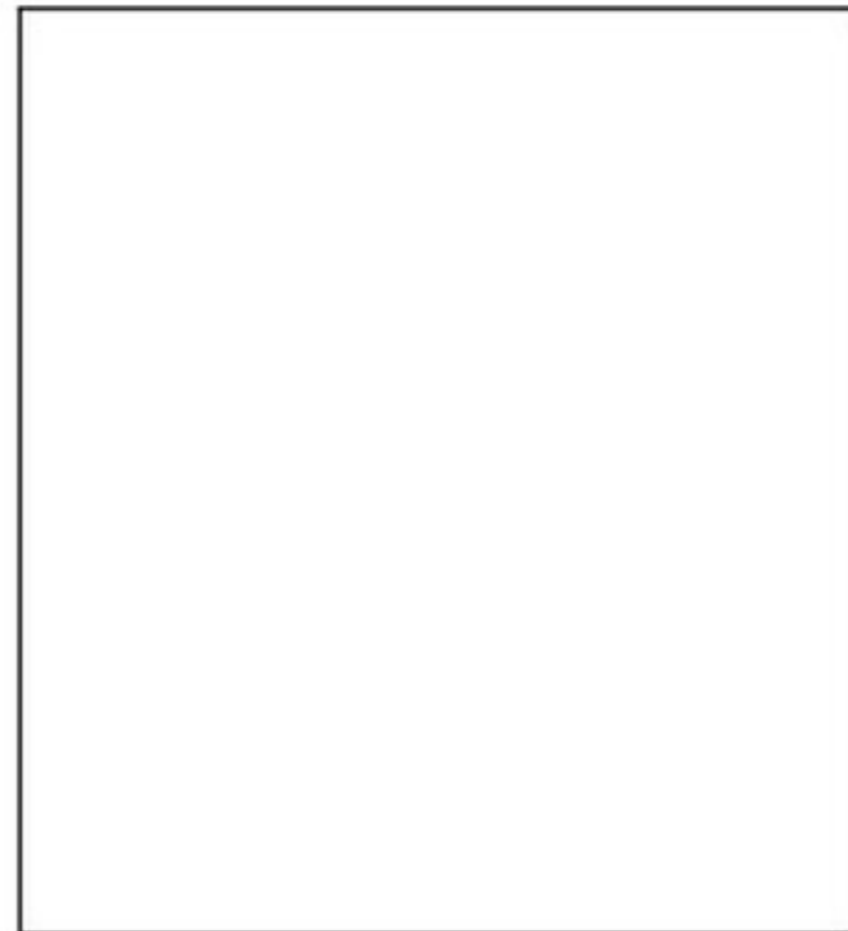
Draw It



Width = 7 in.

What is the area of
the rectangle?

_____ square in.



Length =
8 in.

Draw It



Width =
2 miles

What is the area of
the rectangle?

_____ square miles



Length =
6 miles

Draw It



Using the drawing and text tools, draw a rectangle with an area of 15 square units.

Draw It



Using the drawing and text tools, draw a square with an area of 36 unit squares.

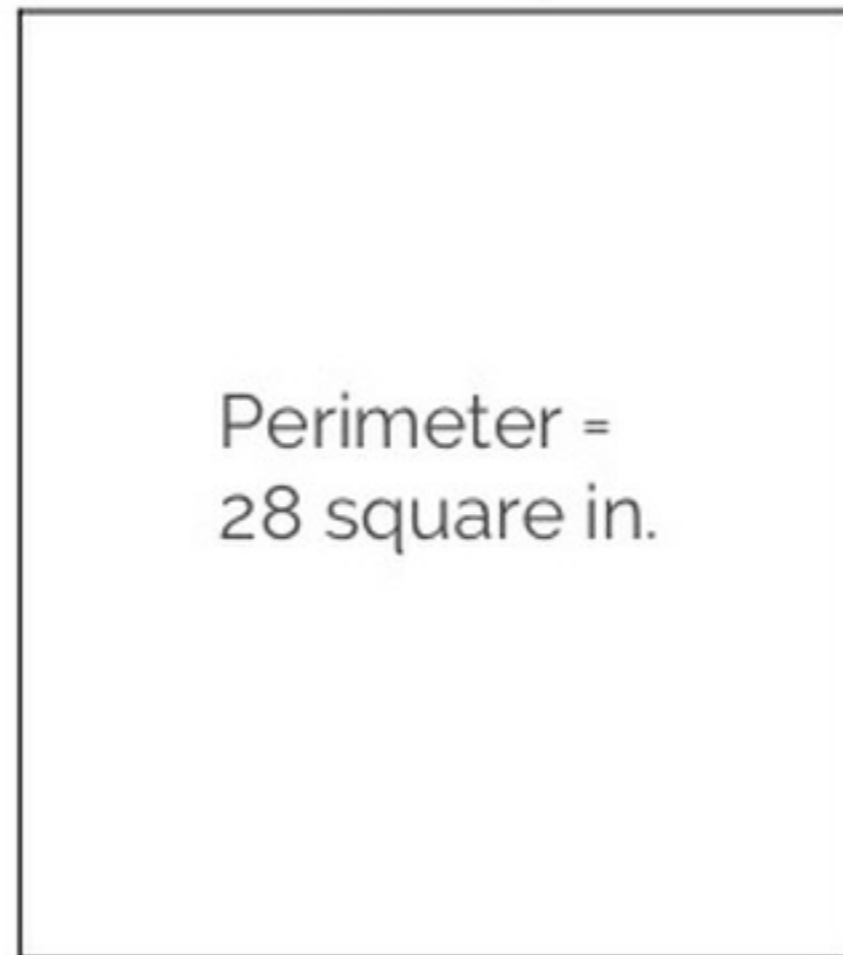
Draw It



Find the unknown length.

The length of the rectangle is _____in.

Width = 4 in.



Length =
?



Let's Write!

Open Ended Question

What strategies do you use when finding the area of a rectangle? Share your thinking using 2-3 sentences.



Let's Take A Quiz!

Quiz

Measuring Area Using Multiplication

**George has a garden in his yard. The length is 4 feet. The width is 2 feet.
What is the area of the garden?**

- 8 feet
- 8 square feet
- 6 square feet

**Lila has a poster hanging on her wall. Its length is 3 feet. Its width is 2 feet.
What is the area of the poster?**

- 6 square feet
- 6 feet
- 5 square feet

The area of a rug is 48 square feet. Its length is 8 feet. What is the width of the rug?

- 6 feet
- 6 square feet
- 12 feet



Let's See How We Feel!

Poll

How did you feel you performed on this exit ticket?

- I feel really confident about how I performed on this exit ticket.
- I feel confident about most of my answers in this exit ticket.
- I feel confident about some of my answers in this exit ticket.
- I didn't feel very confident during this exit ticket and need more practice on the topic.



Let's Work In Pairs!



Talk with a partner about this Exit Ticket. Focus on the following questions:

- What mathematical strategies did you use to answer the questions?
- How did you feel about the Exit Ticket?
- How will you practice to improve this skill? Or, what do you want to learn more about now?

Thank You!

