

Lesson 13: Find the Area of Figures

Standards Alignments

Addressing 3.MD.C.7.d, 3.NBT.A.2

Teacher-facing Learning Goals

- Calculate the area of ungridded figures made of rectangles using multiplication and addition.

Student-facing Learning Goals

- Let's find the area of figures.

Lesson Purpose

The purpose of this lesson is for students to calculate the area of ungridded figures made of rectangles using multiplication and addition.

Students continue to find the area of figures composed of rectangles by decomposing them into non-overlapping rectangles. In this lesson, the square tiling is slowly removed to focus students on multiplying side lengths to find area.

Access for:

Students with Disabilities

- Engagement (Activity 1)

English Learners

- MLR7 (Activity 2)

Instructional Routines

Number Talk (Warm-up)

Lesson Timeline

Warm-up	10 min
Activity 1	20 min
Activity 2	15 min
Lesson Synthesis	10 min
Cool-down	5 min

Teacher Reflection Question

This lesson is designed to help students shift toward multiplying to find areas, rather than by counting unit squares. Did you see this shift in students' strategies? What questions could you ask students about their strategies to help them make that shift if they are still counting frequently?

Cool-down (to be completed at the end of the lesson)

🕒 5 min

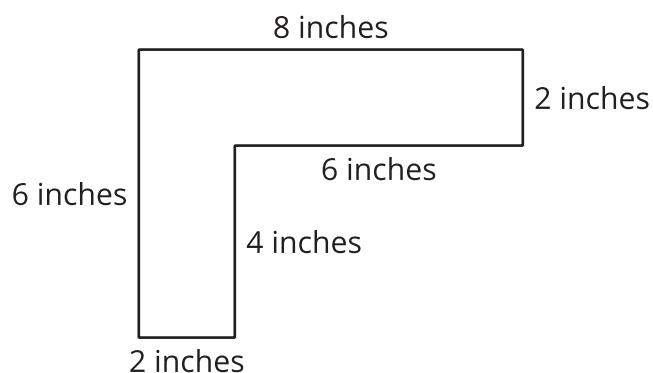
Find the Area

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Student-facing Task Statement

Find the area of this figure. Explain or show your reasoning.

**Student Responses**

24 square inches. Sample response: I saw two rectangles making an L shape. I multiplied 2×8 to find the area of the top rectangle and 2×4 to find the area of the bottom rectangle. I added 16 and 8 to find the area of the whole figure.