Name_____ Date_____ Period_____

LESSON 5-4 · SESSION 2 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Area of Rectangles

Builds on Grade 4 · 4.MD.A.3

TODAY'S LESSON	You will split an L-shaped floor into rectangles, like 13 ft × 10 ft.
YOU NEED TO	Find a rectangle's area: length × width, like 26 ft × 14 ft. **You will use it in Practice Form A, problems 3, 4, and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Break** the longer side into tens and ones.
2. **Multiply** each part by the other side.
3. **Add** the parts. Write square units.

WATCH ME

the steps in action

Find the area of a rectangle 26 ft by 14 ft.

Step 1 26 = 20 + 6.

Step 2 20 × 14 = 280 and 6 × 14 = 84.

Step 3 280 + 84 = 364, so 364 ft².

Answer **364 ft²**

TRY IT WITH HELP

fill in each step

1. Find the area of a rectangle 23 m by 8 m.

Step 1 23 = 20 + _____

Step 2 20 × 8 = _____ and 3 × 8 = _____

Step 3 160 + 24 = _____ m²

2. Find the area of a rectangle 13 ft by 11 ft.

Step 1 13 = 10 + _____

Step 2 10 × 11 = _____ and 3 × 11 = _____

Step 3 110 + 33 = _____ ft²

YOUR TURN

use the steps on your own

3. Find the area of each rectangle.

a. 22 ft × 10 ft _____ **b.** 16 in × 7 in _____ **c.** 18 m × 5 m _____

d. 32 cm × 6 cm _____ **e.** 15 ft × 12 ft _____ **f.** 27 m × 4 m _____

Find Missing Side Lengths

Builds on Grade 4 · 4.MD.A.3

TODAY'S LESSON	You will split an L-shaped floor into rectangles. Some sides have no label.
YOU NEED TO	Find a missing side: whole side − known part, like 12 − 5. **You will use it in Practice Form A, problem 3.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Find** the whole side across from the missing part.
2. **Write** the part you know.
3. **Subtract**: whole side − known part.

WATCH ME

the steps in action

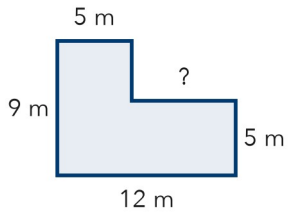
Find the missing side ?.

Step 1 The whole bottom side is 12 m.

Step 2 The top part across from it is 5 m.

Step 3 12 − 5 = 7.

Answer **7 m**



TRY IT WITH HELP

fill in each step

4. An L-shape is 20 ft wide at the bottom. The top part is 13 ft wide. Find the step.

Step 1 Whole side: _____ ft

Step 2 Known part: _____ ft

Step 3 20 − 13 = _____ ft

5. An L-shape is 15 m tall on the left. The right part is 9 m tall. Find the step.

Step 1 Whole side: _____ m

Step 2 Known part: _____ m

Step 3 15 − 9 = _____ m

YOUR TURN

use the steps on your own

6. Find each missing part.

a. whole 18, part 7 _____

b. whole 24, part 16 _____

c. whole 30, part 12 _____

d. whole 9.5, part 4 _____

READY CHECK

a problem like the one in today's lesson

7. An L-shape is 14 ft wide. Its top part is 6 ft wide. How long is the step?

A 20 ft **B** 8 ft **C** 6 ft **D** 84 ft

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____