Name_____ Date_____ Period_____

LESSON 5-2 · SESSION 1 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Area of Parallelograms

Builds on Lesson 5-1 Session 1 · 6.G.A.1

TODAY'S LESSON	You will see that two flags make a parallelogram with area 12 × 20 = 240 in².
YOU NEED TO	Find the area of a parallelogram: base × height. **You will use it in Practice Form A, problems 2 and 3.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **base** and the **height**.
2. **Multiply**: A = b × h.
3. Write **square units**.

WATCH ME

the steps in action

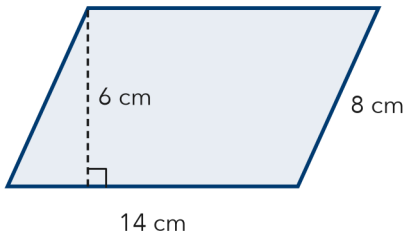
Base 14 cm, height 6 cm. Find the area.

Step 1 Base 14 cm. Height 6 cm.

Step 2 14 × 6 = 84.

Step 3 The area is 84 cm².

Answer **84 cm²**



TRY IT WITH HELP

fill in each step

1. Base 12 in., height 20 in. Find the area.

Step 1 Base _____ in. Height _____ in.

Step 2 12 × 20 = _____

Step 3 The area is _____ in².

2. Base 10 cm, height 8 cm. Find the area.

Step 1 Base _____ cm. Height _____ cm.

Step 2 10 × 8 = _____

Step 3 The area is _____ cm².

YOUR TURN

use the steps on your own

3. Find each area.

a. b = 9, h = 4: _____

b. b = 15, h = 6: _____

c. b = 11, h = 8: _____

d. b = 20, h = 7: _____

e. b = 12, h = 5: _____

f. b = 25, h = 4: _____

Identify Base and Height

Builds on Lesson 5-1 Session 1 · 6.G.A.1

TODAY'S LESSON	You will use the two legs of a right triangle as base and height.
YOU NEED TO	Find the base and the height, which meet at a square corner. **You will use it in Practice Form A, problems 4 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **square corner** (right angle).
2. The two sides at that corner are the **base** and the **height**.
3. The longest side is **never** used.

WATCH ME

the steps in action

Sides 6 ft, 8 ft, 10 ft. Name the base and height.

Step 1 The square corner is between the 6 ft and 8 ft sides.

Step 2 Base 6 ft and height 8 ft.

Step 3 The 10 ft side is longest. Do not use it.

Answer **Base 6 ft, height 8 ft**

TRY IT WITH HELP

fill in each step

4. A right triangle has sides 9 m, 12 m, and 15 m.

Step 1 The square corner is between _____ m and _____ m.

Step 2 Base and height: _____ m and _____ m.

Step 3 The longest side is _____ m. Do not use it.

5. A right triangle has sides 5 in., 12 in., and 13 in.

Step 1 The square corner is between _____ in. and _____ in.

Step 2 Base and height: _____ in. and _____ in.

Step 3 The longest side is _____ in. Do not use it.

YOUR TURN

use the steps on your own

6. Write the base and the height of each right triangle.

a. sides 3, 4, 5 _____

b. sides 8, 15, 17 _____

c. sides 7, 24, 25 _____

d. sides 6, 8, 10 _____

READY CHECK

a problem like the one in today's lesson

7. A sail has sides 14, 9, and 16.6 ft. Which are base and height?

A 14 and 9 **B** 14 and 16.6 **C** 9 and 16.6 **D** All three

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