Name_____ Date_____ Period_____

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

Area of Triangles

Builds on Lesson 5-2 Session 1 · 6.G.A.1

TODAY'S LESSON	You will check a missing base by finding the area forward: ½ × b × h.
YOU NEED TO	Find the area of a triangle: ½ × b × h. **You will use it in Practice Form A, problems 3 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **base** and the **height**.
2. **Multiply** b × h, then take **half**.
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. Half of 84 is 42.

Step 3 The area is 42 cm².

Answer 42 cm²

TRY IT WITH HELP

fill in each step

1. Base 12 in., height 9 in. Find the area.

Step 1 Base _____ in. Height _____ in.

Step 2 12 × 9 = _____. Half of _____ is _____.

Step 3 The area is _____ in².

2. Base 24 ft, height 7 ft. Find the area.

Step 1 Base _____ ft. Height _____ ft.

Step 2 24 × 7 = _____. Half of _____ is _____.

Step 3 The area is _____ ft².

YOUR TURN

use the steps on your own

3. Find each area.

a. b = 10, h = 8: _____

b. b = 16, h = 5: _____

c. b = 9, h = 6: _____

d. b = 20, h = 7: _____

Missing Parallelogram Measures

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

TODAY'S LESSON	You will find the height of a triangle when the area is 54 in² and the base is 12 in.
YOU NEED TO	Find a missing measure by dividing: A ÷ base = height. **You will use it in Practice Form A, problems 3 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Write the area as a **product**: A = b × h.
2. **Divide** the area by the measure you know.
3. **Check** by multiplying b × h.

WATCH ME

the steps in action

A parallelogram has area 135 cm² and base 15 cm. Find the height.

Step 1 135 = 15 × h.

Step 2 135 ÷ 15 = 9.

Step 3 Check: 15 × 9 = 135.

Answer 9 cm

TRY IT WITH HELP

fill in each step

4. Area 108 ft², height 9 ft. Find the base.

Step 1 108 = b × _____

Step 2 108 ÷ 9 = _____

Step 3 Check: _____ × 9 = 108

5. Area 96 m², base 8 m. Find the height.

Step 1 96 = _____ × h

Step 2 96 ÷ 8 = _____

Step 3 Check: 8 × _____ = 96

YOUR TURN

use the steps on your own

6. Find the missing measure.

a. A = 48, b = 6; missing = _____

b. A = 90, h = 9; missing = _____

c. A = 77, b = 11; missing = _____

d. A = 144, h = 12; missing = _____

READY CHECK

a problem like the one in today's lesson

7. A parallelogram has area 120 cm² and base 8 cm. Which equation finds its height?

A 120 ÷ 8 = h **B** 120 × 8 = h **C** 120 + 8 = h **D** 8 ÷ 120 = h

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