Name_____ Date_____ Period_____

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

Identify Base and Height

Builds on Grade 4 · 4.G.A.1

TODAY'S LESSON	You will pick the 5 ft height, not the 8 ft slanted side, to find a banner's area.
YOU NEED TO	Tell the base and the height of a parallelogram. **You will use it in Practice Form A, problems 2 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **base**: the side the shape sits on.
2. Find the **height**: the dashed line with a square corner.
3. A **slanted** side is never the height.

WATCH ME

the steps in action

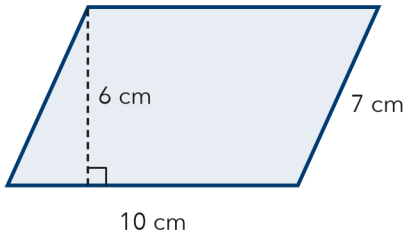
Name the base and the height.

Step 1 The base is 10 cm. The shape sits on it.

Step 2 The height is 6 cm. The dashed line has a square corner.

Step 3 The 7 cm slanted side is not used.

Answer **Base 10 cm, height 6 cm**



TRY IT WITH HELP

fill in each step

1. A parallelogram has base 12 cm, height 5 cm, and slanted side 8 cm.

Step 1 The base is _____ cm.

Step 2 The height is _____ cm.

Step 3 The slanted side, _____ cm, is not used.

2. A parallelogram has base 9 in., height 4 in., and slanted side 5 in.

Step 1 The base is _____ in.

Step 2 The height is _____ in.

Step 3 The slanted side, _____ in., is not used.

YOUR TURN

use the steps on your own

3. Which side is the height? Write the number.

a. base 8, height 3, slant 4 ____

b. base 14, height 6, slant 7 ____

c. base 5, height 9, slant 10 ____

d. base 20, height 7, slant 8 ____

Find a Missing Side Length

Builds on Grade 4 · 4.MD.A.3

TODAY'S LESSON	You will find the height of a sign with area 90 in² and base 18 in.
YOU NEED TO	Find a missing side from the area and one side, like 90 = 18 × h. **You will use it in Practice Form A, problems 4 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. Write the area as a **product**: area = side × ?
2. **Divide** the area by the side you know.
3. **Check** by multiplying.

WATCH ME

the steps in action

A rectangle has area 72 cm² and one side 9 cm. Find the other side.

Step 1 72 = 9 × ?

Step 2 72 ÷ 9 = 8.

Step 3 Check: 9 × 8 = 72.

Answer **8 cm**

TRY IT WITH HELP

fill in each step

4. A rectangle has area 48 in² and one side 6 in. Find the other side.

Step 1 Write: 48 = 6 × ? The known side is _____ in.

Step 2 Divide: 48 ÷ 6 = _____

Step 3 Check: 6 × _____ = 48

5. A rectangle has area 84 ft² and one side 7 ft. Find the other side.

Step 1 Write: 84 = 7 × ? The known side is _____ ft.

Step 2 Divide: 84 ÷ 7 = _____

Step 3 Check: 7 × _____ = 84

YOUR TURN

use the steps on your own

6. Find the missing side.

a. Area 56, side 7: other side = _____

b. Area 90, side 15: other side = _____

c. Area 108, side 9: other side = _____

d. Area 120, side 8: other side = _____

e. Area 72, side 12: other side = _____

f. Area 65, side 5: other side = _____

READY CHECK

a problem like the one in today's lesson

7. A window pane has area 96 in² and base 8 in. Which equation finds the height h?

A 96 ÷ 8 = h **B** 96 × 8 = h **C** 96 + 8 = h **D** 8 ÷ 96 = h

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