Name_____ Date_____ Period_____

LESSON 5-6 · SESSION 1 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Find the Faces of a Box

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

TODAY'S LESSON	You will list the 3 pairs of matching rectangles in a box net.
YOU NEED TO	Use two edges at a time to name each pair of faces. **You will use it in Practice Form A, problems 3 and 8.**

STEPS TO FOLLOW

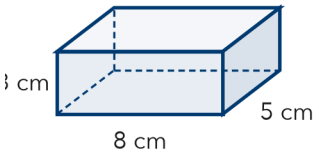
use these same steps on every problem

1. **Top** and bottom: length × width.
2. **Front** and back: length × height.
3. **Two** sides: width × height.

WATCH ME

the steps in action

A box is 8 cm long, 5 cm wide, and 3 cm tall.
Name its faces.



Step 1 Top and bottom: 8 cm by 5 cm.
Step 2 Front and back: 8 cm by 3 cm.
Step 3 Two sides: 5 cm by 3 cm.
Answer **3 pairs: 8 by 5, 8 by 3, 5 by 3**

TRY IT WITH HELP

fill in each step

1. A box is 12 in long, 7 in wide, and 3 in tall. Name its faces.

Step 1 Top and bottom: _____ by _____
Step 2 Front and back: _____ by _____
Step 3 Two sides: _____ by _____

2. A box is 6 ft long, 4 ft wide, and 2 ft tall. Name its faces.

Step 1 Top and bottom: _____ by _____
Step 2 Front and back: _____ by _____
Step 3 Two sides: _____ by _____

YOUR TURN

use the steps on your own

3. Write the top, front, and side of each box (l × w × h).

a. 11 × 5 × 4 cm _____
b. 15 × 10 × 2 m _____
c. 8 × 6 × 5 ft _____
d. 20 × 9 × 4 cm _____

Area of Triangles

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

TODAY'S LESSON	You will find one triangle in a pyramid net, like ½ × 14 × 11.
YOU NEED TO	Find a triangle's area with A = ½ × b × h, like ½ × 8 × 7. **You will use it in Practice Form A, problems 2, 4, and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Write** A = ½ × b × h with the numbers.
2. **Halve** the even number first.
3. **Multiply** what is left. Write square units.

WATCH ME

the steps in action

A triangle in a net has a base of 8 in and a height of 7 in. Find its area.

Step 1 A = ½ × 8 × 7.

Step 2 Half of 8 is 4.

Step 3 4 × 7 = 28, so 28 in².

Answer **28 in²**

TRY IT WITH HELP

fill in each step

4. Base 12 cm, height 5 cm. Find the area.

Step 1 A = ½ × _____ × _____

Step 2 Half of 12 is _____

Step 3 6 × 5 = _____ cm²

5. Base 10 ft, height 9 ft. Find the area.

Step 1 A = ½ × _____ × _____

Step 2 Half of 10 is _____

Step 3 5 × 9 = _____ ft²

YOUR TURN

use the steps on your own

6. Find each area. Use A = ½ × b × h.

a. ½ × 8 × 5 = _____ **b.** ½ × 12 × 7 = _____ **c.** ½ × 6 × 9 = _____

d. ½ × 16 × 7 = _____ **e.** ½ × 20 × 13 = _____ **f.** ½ × 18 × 11 = _____

READY CHECK

a problem like the one in today's lesson

7. A pyramid net triangle has a base of 10 in and a height of 7 in. What is its area?

A 70 in² **B** 35 in² **C** 17 in² **D** 140 in²

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