Name_____ Date_____ Period_____

LESSON 5-7 · SESSION 1 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Pair Faces on a Net

Builds on Lesson 5-6 Session 2 · 6.G.A.4

TODAY'S LESSON	You will find a box's 3 different faces, like 15 × 12, 15 × 10, and 12 × 10.
YOU NEED TO	Match each box face with the face across from it. **You will use it in Practice Form A, problems 2 and 7.**

STEPS TO FOLLOW

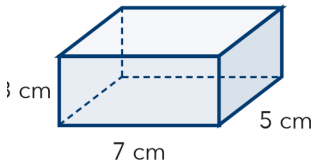
use these same steps on every problem

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

WATCH ME

the steps in action

A box is 7 cm by 5 cm by 3 cm. Find one face from each pair.



Step 1 Top and bottom: 7 × 5 = 35 cm².

Step 2 Front and back: 7 × 3 = 21 cm².

Step 3 Two sides: 5 × 3 = 15 cm².

Answer 35, 21, and 15 cm², each twice

TRY IT WITH HELP

fill in each step

1. A box is 6 in by 4 in by 2 in. Find one face from each pair.

Step 1 Top: 6 × 4 = _____ in²

Step 2 Front: 6 × 2 = _____ in²

Step 3 Side: 4 × 2 = _____ in²

2. A box is 10 ft by 5 ft by 3 ft. Find one face from each pair.

Step 1 Top: 10 × 5 = _____ ft²

Step 2 Front: 10 × 3 = _____ ft²

Step 3 Side: 5 × 3 = _____ ft²

YOUR TURN

use the steps on your own

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

a. 8 × 5 × 3 _____

b. 6 × 6 × 2 _____

c. 9 × 4 × 2 _____

d. 10 × 7 × 2 _____

Area of Rectangles

Builds on Grade 4 · 4.MD.A.3

TODAY'S LESSON	You will find each face of a carton, like 15 in × 12 in.
YOU NEED TO	Find a rectangle's area: length × width, like 14 in × 6 in. **You will use it in Practice Form A, problems 3 and 7.**

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

A face is 14 in by 6 in. Find its area.

Step 1 14 = 10 + 4.

Step 2 10 × 6 = 60 and 4 × 6 = 24.

Step 3 60 + 24 = 84, so 84 in².

Answer **84 in²**

TRY IT WITH HELP

fill in each step

4. A face is 18 cm by 6 cm. Find its area.

Step 1 18 = 10 + _____

Step 2 10 × 6 = _____ and 8 × 6 = _____

Step 3 60 + 48 = _____ cm²

5. A face is 13 ft by 7 ft. Find its area.

Step 1 13 = 10 + _____

Step 2 10 × 7 = _____ and 3 × 7 = _____

Step 3 70 + 21 = _____ ft²

YOUR TURN

use the steps on your own

6. Find the area of each face.

a. 14 cm × 8 cm _____ **b.** 25 ft × 4 ft _____ **c.** 13 m × 13 m _____

d. 17 in × 5 in _____ **e.** 15 cm × 9 cm _____ **f.** 16 ft × 6 ft _____

READY CHECK

a problem like the one in today's lesson

7. A cube has 5 in edges. What is its surface area?

A 25 in² **B** 100 in² **C** 125 in² **D** 150 in²

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