Name_____ Date_____ Period_____

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

Area of Rectangles

Builds on Grade 4 · 4.MD.A.3

TODAY'S LESSON	You will find the area of a box face in a net, like 8 in × 12 in for a cereal box.
YOU NEED TO	Find a rectangle's area: length × width, like 16 cm × 7 cm. **You will use it in Practice Form A, problems 3, 5, and 8.**

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 box face is 16 cm by 7 cm. Find its area.

Step 1 16 = 10 + 6.

Step 2 10 × 7 = 70 and 6 × 7 = 42.

Step 3 70 + 42 = 112, so 112 cm².

Answer **112 cm²**

TRY IT WITH HELP

fill in each step

1. A box face is 13 m by 4 m. Find its area.

Step 1 13 = 10 + _____

Step 2 10 × 4 = _____ and 3 × 4 = _____

Step 3 40 + 12 = _____ m²

2. A box face is 17 ft by 6 ft. Find its area.

Step 1 17 = 10 + _____

Step 2 10 × 6 = _____ and 7 × 6 = _____

Step 3 60 + 42 = _____ ft²

YOUR TURN

use the steps on your own

3. Find the area of each face.

a. 16 cm × 9 cm _____ **b.** 18 in × 5 in _____ **c.** 14 m × 3 m _____

d. 11 ft × 11 ft _____ **e.** 15 cm × 8 cm _____ **f.** 25 in × 4 in _____

Count Faces of Solids

Builds on Grade 2 · 2.G.A.1

TODAY'S LESSON	You will count the flat pieces in a net, like 5 for a square pyramid.
YOU NEED TO	Count the faces of a solid, like a pentagonal prism. **You will use it in Practice Form A, problems 1, 2, and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Name** the base shape. Count its sides.
2. **Count** the bases: a prism has 2, a pyramid has 1.
3. **Add**: bases + one side face for each side.

WATCH ME

the steps in action

How many faces does an octagonal prism have?

Step 1 Base: octagon, 8 sides.

Step 2 A prism has 2 bases.

Step 3 2 + 8 = 10.

Answer **10 faces**

TRY IT WITH HELP

fill in each step

4. How many faces does a square pyramid have?

Step 1 Base: square, _____ sides

Step 2 Number of bases: _____

Step 3 1 + 4 = _____ faces

5. How many faces does a pentagonal prism have?

Step 1 Base: pentagon, _____ sides

Step 2 Number of bases: _____

Step 3 2 + 5 = _____ faces

YOUR TURN

use the steps on your own

6. Write the number of faces.

a. cube _____ **b.** triangular pyramid _____ **c.** hexagonal prism _____

d. pentagonal pyramid _____ **e.** triangular prism _____ **f.** hexagonal pyramid _____

READY CHECK

a problem like the one in today's lesson

7. How many squares does the net of a cube need?

A 4 **B** 5 **C** 6 **D** 8

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