Name_____ Date_____ Period_____

LESSON 5-3 · SESSION 2 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Use Parentheses First

Builds on Grade 5 · 5.OA.A.1

TODAY'S LESSON	In A = 1/2 × (base + base) × h, you add the two bases before you multiply.
YOU NEED TO	Work inside parentheses first, like 1/2 × (9 + 15) × 8. **You will use it in Practice Form A, problems 1 and 4.**

STEPS TO FOLLOW

use these same steps on every problem

1. Work **inside** the parentheses first.
2. **Multiply** by the height.
3. **Halve** the product.

WATCH ME

the steps in action

Find 1/2 × (6 + 10) × 5.

Step 1 6 + 10 = 16.

Step 2 16 × 5 = 80.

Step 3 80 ÷ 2 = 40.

Answer 40

TRY IT WITH HELP

fill in each step

1. Find 1/2 × (4 + 12) × 3.

Step 1 4 + 12 = _____

Step 2 16 × 3 = _____

Step 3 48 ÷ 2 = _____

2. Find 1/2 × (11 + 17) × 10.

Step 1 11 + 17 = _____

Step 2 28 × 10 = _____

Step 3 280 ÷ 2 = _____

YOUR TURN

use the steps on your own

3. Evaluate.

a. 1/2 × (2 + 6) × 5 _____

b. 1/2 × (3 + 9) × 4 _____

c. 1/2 × (5 + 15) × 6 _____

d. 1/2 × (10 + 14) × 3 _____

e. 1/2 × (7 + 13) × 9 _____

f. 1/2 × (12 + 20) × 5 _____

Halve Multi-Digit Numbers

Builds on Grade 5 · 5.NBT.B.6

TODAY'S LESSON	In Problem 1a, (9 + 15) × 8 = 192. Then you still take half of 192.
YOU NEED TO	Find half of a number like 192. **You will use it in Practice Form A, problems 1 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Split** the number into hundreds and the rest.
2. **Halve** each part.
3. **Add** the two halves.

WATCH ME

the steps in action

Find half of 192.

Step 1 192 = 100 + 92.

Step 2 100 ÷ 2 = 50 and 92 ÷ 2 = 46.

Step 3 50 + 46 = 96.

Answer 96

TRY IT WITH HELP

fill in each step

4. Find half of 380.

Step 1 380 = 300 + _____

Step 2 300 ÷ 2 = _____ and 80 ÷ 2 = _____

Step 3 150 + 40 = _____

5. Find half of 224.

Step 1 224 = 200 + _____

Step 2 200 ÷ 2 = _____ and 24 ÷ 2 = _____

Step 3 100 + 12 = _____

YOUR TURN

use the steps on your own

6. Find half of each number.

a. 156 _____ **b.** 270 _____ **c.** 348 _____

d. 416 _____ **e.** 530 _____ **f.** 638 _____

READY CHECK

a problem like the one in today's lesson

7. A trapezoid has bases 12 ft and 20 ft and a height of 9 ft. (12 + 20) × 9 = 288. What is its area?

A 288 ft² **B** 144 ft² **C** 576 ft² **D** 41 ft²

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