Name_____ Date_____ Period_____

LESSON 6-8 · SESSION 1 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Use Order of Operations

Builds on Grade 5 · 5.OA.A.1

TODAY'S LESSON	You will check $3(n + 4) + 5n$ by putting in $n = 2$.
YOU NEED TO	Find a value like $3(2 + 4) + 5 \times 2$ in the right order. **You will use it in Practice Form A, problems 3 and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. Work inside the **parentheses** first.
2. **Multiply** next. A number right before ( ) means multiply.
3. **Add** or subtract last, from left to right.

WATCH ME

the steps in action

Find $4(5 + 3) + 2 \times 5$.

Step 1 $5 + 3 = 8$

Step 2 $4 \times 8 = 32$ and $2 \times 5 = 10$

Step 3 $32 + 10 = 42$

Answer 42

TRY IT WITH HELP

fill in each step

1. Find $2(6 + 4) + 3$.

Step 1 $6 + 4 =$ _____

Step 2 $2 \times 10 =$ _____

Step 3 _____ $+ 3 =$ _____

2. Find $3(2 + 4) + 5 \times 2$.

Step 1 $2 + 4 =$ _____

Step 2 $3 \times 6 =$ _____ and $5 \times 2 =$ _____

Step 3 $18 + 10 =$ _____

YOUR TURN

use the steps on your own

3. Find each value.

a. $5(3 + 7) =$ _____

b. $3 \times 4 + 2 =$ _____

c. $3(4 + 2) =$ _____

d. $9 - 2 \times 3 =$ _____

e. $2(5 + 1) + 4 \times 2 =$ _____

f. $6 + 4 \times 5 =$ _____

Name Properties of Operations

Builds on Grade 3 · 3.OA.B.5

TODAY'S LESSON	You will name the property behind each rewrite, like $4 \times y = y \times 4$.
YOU NEED TO	Name a property, like $7 \times 3 = 3 \times 7$ (Commutative). **You will use it in Practice Form A, problems 2 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1 Did the numbers **switch order**? Then it is Commutative.

2 Did only the **parentheses** move? Then it is Associative.

3 Plus 0 or times 1? **Identity**. Times a sum? **Distributive**.

WATCH ME

the steps in action

Name the property: 46 × 1 = 46.

Step 1 The order did not switch.

Step 2 No parentheses moved.

Step 3 It is times 1, so it is Identity.

Answer **Identity Property of Multiplication**

TRY IT WITH HELP

fill in each step

4. Name the property: 9 + 14 = 14 + 9.

Step 1 Did the order switch? _____

Step 2 Did only the parentheses move? _____

Step 3 The property is _____.

5. Name the property: (3 + 8) + 2 = 3 + (8 + 2).

Step 1 Did the order switch? _____

Step 2 Did only the parentheses move? _____

Step 3 The property is _____.

YOUR TURN

use the steps on your own

6. Write C (Commutative), A (Associative), I (Identity), or D (Distributive).

a. 25 × 1 = 25 _____

b. 4(6 + 5) = 24 + 20 _____

c. 7 × 12 = 12 × 7 _____

d. 0 + 38 = 38 _____

e. (5 × 4) × 3 = 5 × (4 × 3) _____

f. 6 + 9 = 9 + 6 _____

READY CHECK

a problem like the one in today's lesson

7. Which property allows $6 + (x + 5) = (6 + x) + 5$?

A Commutative **B** Associative **C** Identity **D** Distributive

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