Name _____

Group It Right Answer Key

1. Which of the following shows the Associative Property of Addition?

Answer: a) (6 + 3) + 5 = 6 + (3 + 5)
Explanation: The parentheses (grouping) move, but the numbers and the operation (addition) stay the same.

2. Which of the following shows the Associative Property of Multiplication?

Answer: a) (4 × 2) × 3 = 4 × (2 × 3)
Explanation: Grouping changes, but the numbers and the operation (multiplication) do not.

3. Circle all the equations that show the Associative Property

Answers: a), b), and d
Explanation:

- (8 + 4) + 6 = 8 + (4 + 6) → Associative Property of Addition
- (7 × 2) × 5 = 7 × (2 × 5) → Associative Property of Multiplication
- (9 + 3) + 2 = 9 + (3 + 2) → Associative Property of Addition
- c) is incorrect because it mixes addition and multiplication.

4. Fill in the blanks. The associative property tells us that when we move the **parentheses (groups)**, the **answer** stays the same.

5. Compare these two equations.

(3 + 4) + 5 = 3 + (4 + 5) (3 × 4) × 5 = 3 × (4 × 5)

Possible Answers: Both show that changing how the numbers are grouped does not change the result. One uses addition and the other uses multiplication, but both follow the same rule.

6. True or False

a) (10 + 2) + 8 = 10 + (2 + 8) → **True**
b) (3 × 4) × 5 = 3 × (4 + 5) → **False** (Changed the operation inside the parentheses)
c) (7 × 2) × 9 = 7 × (2 × 9) → **True**

7. Find the mistake and fix it.

A student says: (4 + 2) + 3 = 4 + (2 × 3)
Answer: Incorrect. The operation changed from addition to multiplication.
Correct version: (4 + 2) + 3 = 4 + (2 + 3)