

Name \_\_\_\_\_

## Group It Right

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

a)  $(6 + 3) + 5 = 6 + (3 + 5)$

b)  $(6 + 3) + 5 = (3 + 6) + 5$

c)  $(6 \times 3) \times 5 = 6 \times (3 \times 5)$

Answer: \_\_\_\_\_

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

a)  $(4 \times 2) \times 3 = 4 \times (2 \times 3)$

b)  $4 \times 2 = 2 \times 4$

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

Answer: \_\_\_\_\_

3. Circle all the equations that show the Associative Property (more than one may be correct):

a)  $(8 + 4) + 6 = 8 + (4 + 6)$

b)  $(7 \times 2) \times 5 = 7 \times (2 \times 5)$

c)  $7 + (2 \times 5) = (7 + 2) \times 5$

d)  $(9 + 3) + 2 = 9 + (3 + 2)$

4. Fill in the blanks. The associative property tells us that when we move the \_\_\_\_\_, the \_\_\_\_\_ stays the same.

5. Compare these two equations.

$(3 + 4) + 5 = 3 + (4 + 5)$

$(3 \times 4) \times 5 = 3 \times (4 \times 5)$

How are they similar?



6. True or False

a)  $(10 + 2) + 8 = 10 + (2 + 8) \rightarrow$  \_\_\_\_\_

b)  $(3 \times 4) \times 5 = 3 \times (4 + 5) \rightarrow$  \_\_\_\_\_

c)  $(7 \times 2) \times 9 = 7 \times (2 \times 9) \rightarrow$  \_\_\_\_\_

7. Find the mistake and fix it.

A student says:  $(4 + 2) + 3 = 4 + (2 \times 3)$  Is the student correct? \_\_\_\_\_

If not, rewrite it correctly: \_\_\_\_\_