MATH 7 · UNIT 4, LESSON 1 · TILE 1 · EXTRA PRACTICE

Properties of Addition and Multiplication: Extra Practice

Name the property, or use it. Commutative: swap the order. Associative: change the grouping. Distributive: hand the outside number to every term inside.

Name: _____ Date: _____

1. Name the property: $a + b = b + a$

2. Name the property: $(xy)z = x(yz)$

3. Name the property: $6(a + b) = 6a + 6b$

4. Fill in using the commutative property: $9 + 4 =$ ____

5. Fill in using the associative property: $(2 + 7) + 3 = 2 +$ ____

6. What is the opposite (additive inverse) of -11? Why?

7 What is the reciprocal (multiplicative inverse) of 2/5? Why?

8 Use the distributive property to expand: 4(3x + 2)