Name: _____ Date: _____

Zero Property of Multiplication
Identity Property of Multiplication

The **ZERO PROPERTY OF MULTIPLICATION** tells me that I can multiply any number by ZERO, and the PRODUCT will be ZERO!

The **IDENTITY PROPERTY OF MULTIPLICATION** tells me that I can multiply ONE by any number, and that number keeps its identity!

Directions: Use what you have learned about the ZERO PROPERTY OF MULTIPLICATION and the IDENTITY PROPERTY OF MULTIPLICATION to solve each problem.

1. 2 x 1 = _____	**2. 3 x 0 = _____**
3. 5 x 1 = _____	**4. 45 x 0 = _____**
5. 45 x 1 = _____	**6. 0 x 0 = _____**
7. 1 x 1 = _____	**8. 17 x 0 = _____**
9. 299 x 1 = _____	**10. 299 x 0 = _____**

Name: _____ Date: _____

Distributive Property of Multiplication

The **DISTRIBUTIVE PROPERTY OF MULTIPLICATION** tells me that I can multiply the sum of 2 numbers OR I can multiply the factor by each addend to get the same product.

The **DISTRIBUTIVE PROPERTY OF MULTIPLICATION** also tells me that I can multiply the 1-digit factor by the value in the tens and ones place, then add to solve.

Directions: Use what you have learned about the Distributive Property of Multiplication to solve.

1. 3 x (2 + 3) = _____	**2. 3 x 43 = _____**
3. 2 x (5 + 7) = _____	**4. 5 x 39 = _____**
5. 5 x (2 + 4) = _____	**6. 3 x 41 = _____**
7. 3 x (2 + 6) = _____	**8. 4 x 62 = _____**
9. 2 x (6 + 3) = _____	**10. 7 x 34 = _____**

Name: _____ Date: _____

Commutative Property of Multiplication
Associative Property of Multiplication

The **COMMUTATIVE PROPERTY OF MULTIPLICATION** tells me that I can multiply my factors in any order and my products will stay the same.

The **ASSOCIATIVE PROPERTY OF MULTIPLICATION** tells me that I can group my factors in different ways but my product will stay the same!

Directions: Use what you learned about the Commutative Property of Multiplication and the Associative Property of Multiplication to solve.

1. 3 x 5 x 2 = _____	**2. 6 x 4 x 3 = _____**
3. 3 x 2 x 7 = _____	**4. 4 x 5 x 2 = _____**
5. 5 x 2 x 8 = _____	**6. 4 x 3 x 2 = _____**
7. 4 x 6 x 2 = _____	**8. 8 x 2 x 2 = _____**
9. 5 x 3 x 1 = _____	**10. 3 x 3 x 4 = _____**

Name: _____ Date: _____

Properties of Multiplication

Directions: Use what you have learned about the 5 Properties of Multiplication to solve the following problems.

1. 3 x 0 = _____	**2. 2 x 3 x 1 = _____**
3. 5 x 23 = _____	**4. 3 x (3 + 2) = _____**
5. 6 x 1 = _____	**6. 3 x 6 x 2 = _____**
7. 3 x 54 = _____	**8. 2 x (5 + 2) = _____**
9. 5 x 2 x 4 = _____	**10. 133 x 1 = _____**
11. 4 x 6 x 2 = _____	**12. 3 x (4 + 2) = _____**