

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**THE ASSOCIATIVE PROPERTY OF REAL NUMBERS**

# Associative Property

## Key Questions



$$a \ b \ c = a \ b \ c$$

### Addition

$$(3 + 5) + 9 = 3 + (5 + 9)$$

Does the ASSOCIATIVE PROPERTY work for addition? Yes No

Why?

# Subtraction

$$(3 - 5) - 9 = 3 - (5 - 9)$$

Does the ASSOCIATIVE PROPERTY work for subtraction? Yes No

Why?

# Multiplication

$$(8 \cdot 4) \cdot 2 = 8 \cdot (4 \cdot 2)$$

Does the ASSOCIATIVE PROPERTY work for multiplication? Yes No

Why?

# Division

$$(8 \div 4) \div 2 = 8 \div (4 \div 2)$$

Does the ASSOCIATIVE PROPERTY work for division? Yes No

Why?

## Associative Property

### Final Words

Order is the same,  
but groupings change!

-Associative Property of Addition

$$(a + b) + c = a + (b + c)$$

-Associative Property of Multiplication

$$(ab)c = a(bc)$$



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