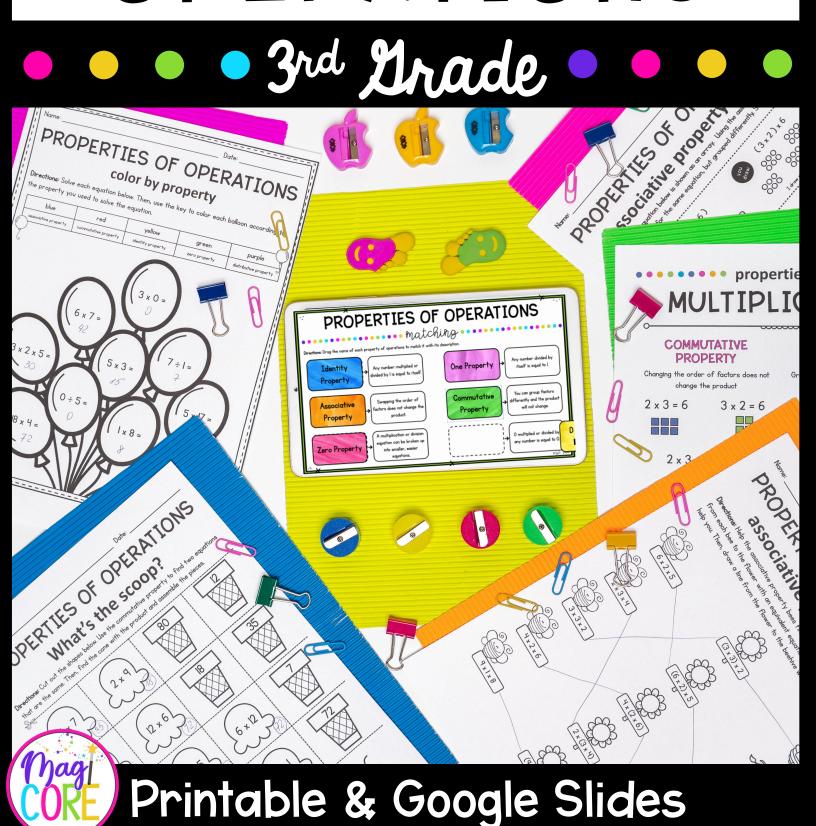
# PROPERTIES OF OPERATIONS



## PROPERTIES OF OPERATIONS

#### 3rd grade

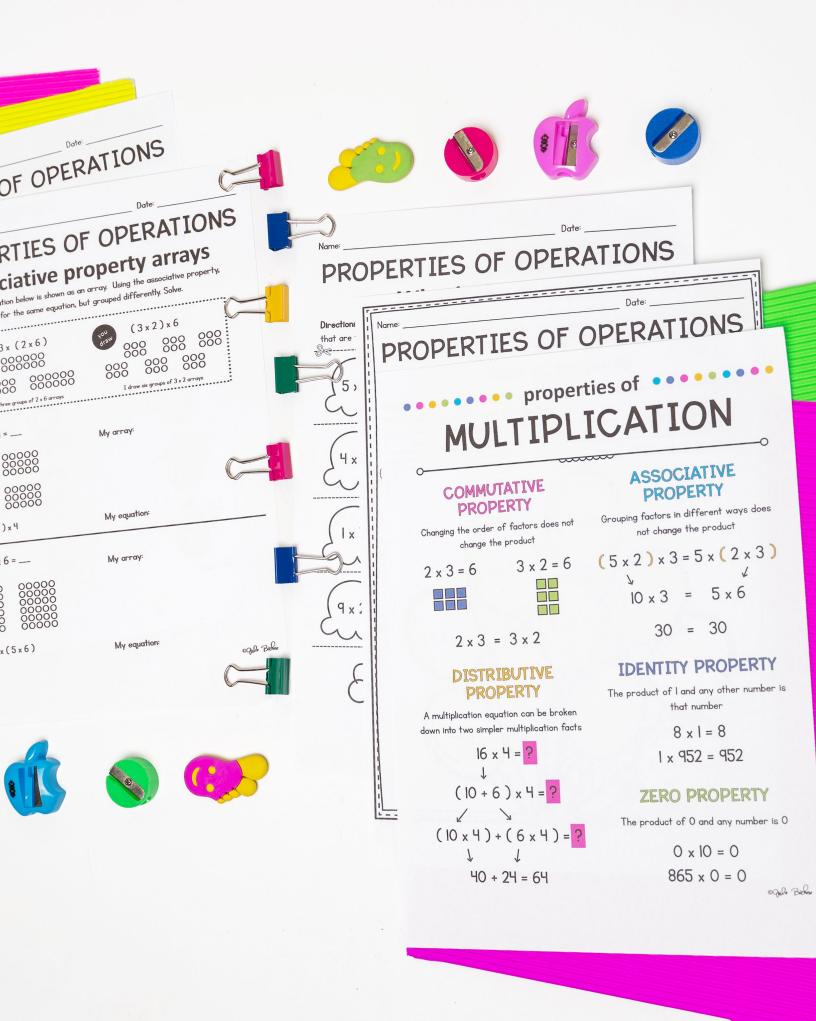
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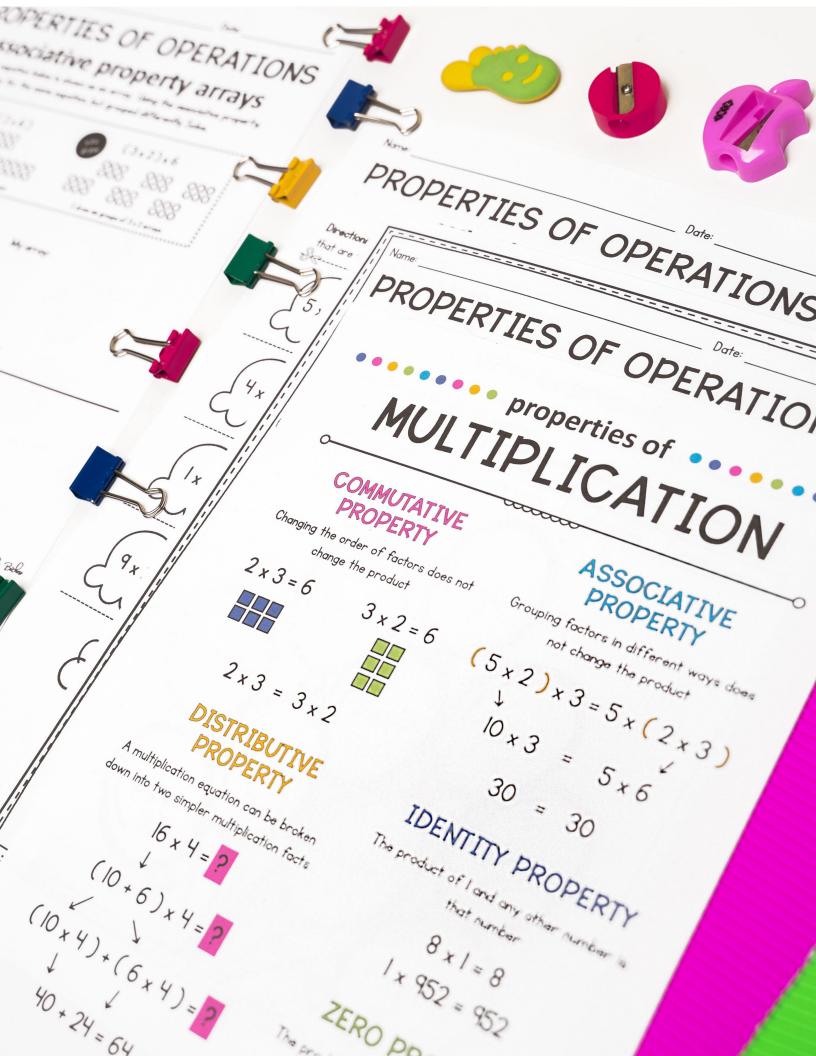
- I. Anchor Charts (2 pages)
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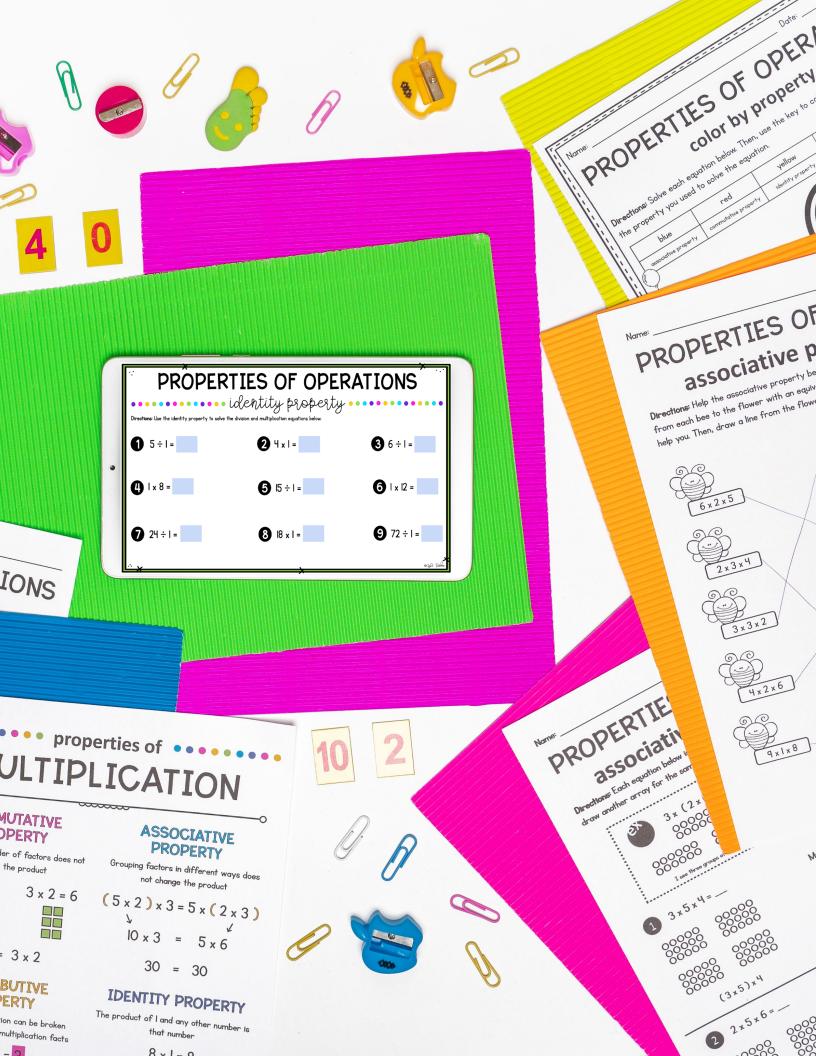


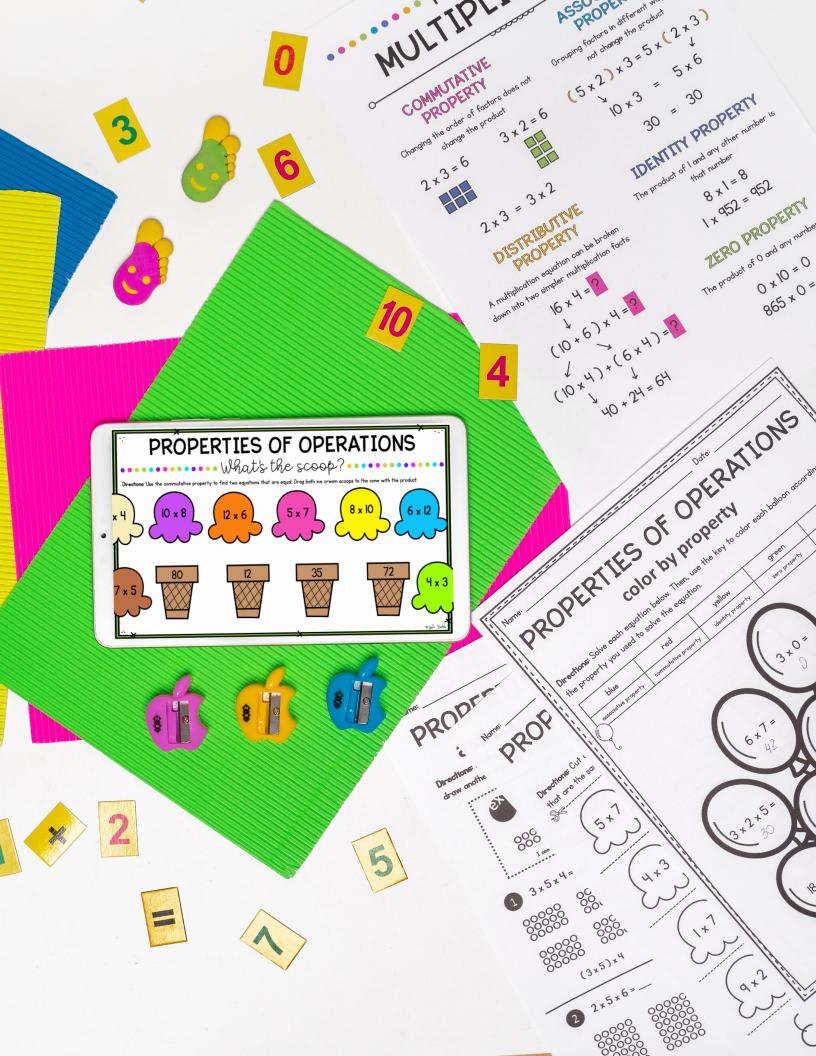
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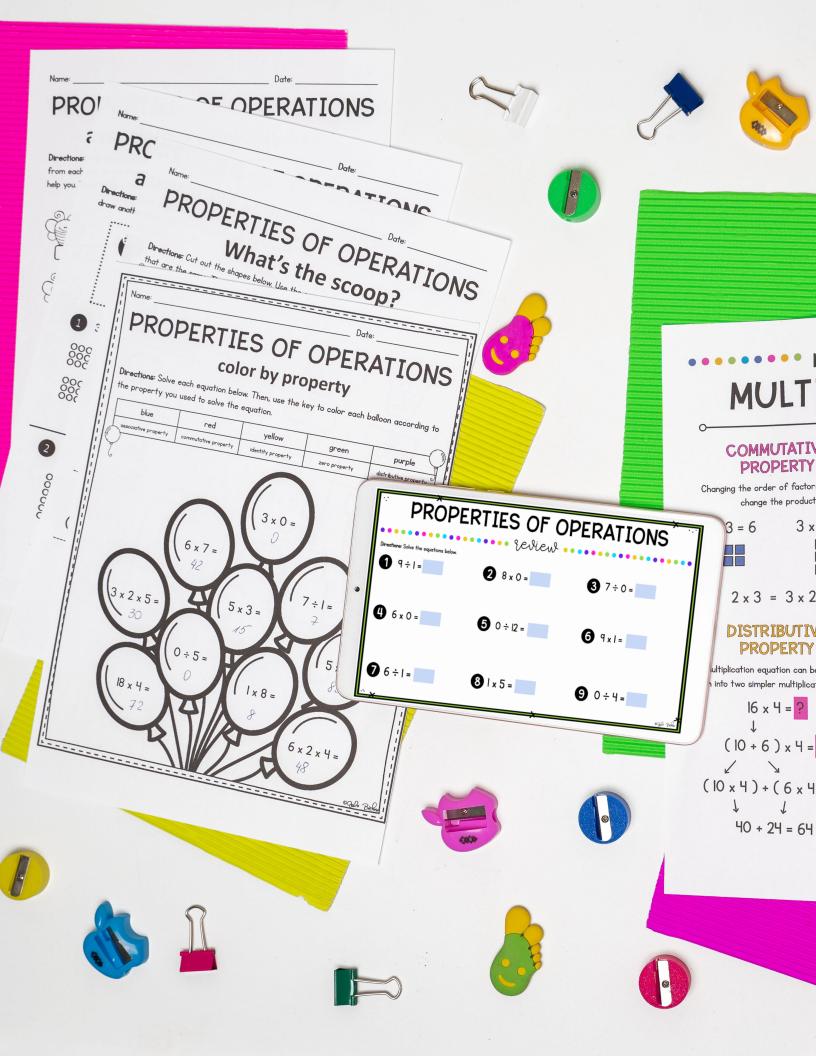












Name: \_\_\_\_\_ Date: \_\_\_\_

#### PROPERTIES OF OPERATIONS

identity property

**Directions:** Use the identity property to solve the division and multiplication equations below.

Name: Date:			
PROPERTIES OF OPERATIONS			
Directions: Cut out the shapes below. Use the commutative property to find two equations			
that are the same. Then, find the cone with the product and assemble the pieces.			
5 x 7	2 x 9	80	12
4×3	[12 × 6]	18	35
1x73	7 x 5	6 x l2	7
9 x 2	8 x 10	7 x l	72
6	(10 × 8)	3 x 4	©Gjulio Bocheso

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

#### PROPERTIES OF OPERATIONS

distributive property grids

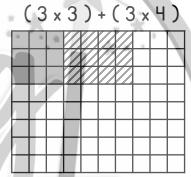
**Directions:** Shade in the grid to represent the multiplication equation. Then, use the distributive property of multiplication to break the equation into two simpler equations. Use two different colors to shade the second grid to represent your two new equations.



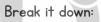
$$7 \times 3$$

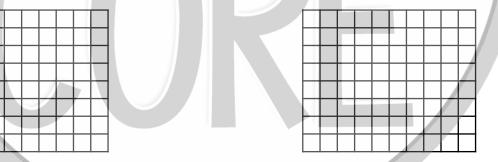


$$(3+4) \times 3 =$$



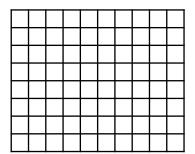
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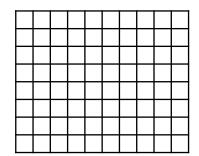




(2

Break it down:





Name: \_\_\_\_\_\_ Dat

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

#### PROPERTIES OF OPERATIONS

Review

Directions: Solve the equations below.

**Directions:** Use the commutative property to write a different but equivalent multiplication equation for each equation below. Then, solve both equations.

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

#### PROPERTIES OF OPERATIONS

Test

Directions: Solve the equations below.

**Directions:** Use the commutative property to write a different but equivalent multiplication equation for each equation below. Then, solve both equations.

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