# PROPERTIES <br> OF 

## OPERATIONS

## - - O 3rd Mrade

PROPERTIES OF OT



## Magl

## Printable \& Google Slides

# PROPERTIES OF 

 OPERATIONS

## Table of Contente

I. Anchor Charts (2 pages)
2. Identifying Properties of Operations ( 2 pages)
3. Identity Property (I page)
4. Zero Property (I page)
5. Commutative Property (2 pages)
6. Associative Property ( 4 pages)
7. Distributive Property ( 6 pages)
8. Review Games and Activities (2 pages)
q. Test Review ( 4 pages)

IO. Test ( 4 pages)


## Thank you for purchasing this MagiCore Learning digital resource!

The Google Slides version of this resource requires that you make a copy of the resource to your own Google Drive.

## PROPERTIES OF OPERATIONS





4
PROPERTIES OF OPERATIONS
4 e property bees

1

$$
\sum_{\infty}^{2} \operatorname{mix}
$$

$\qquad$
$\qquad$
PROPERTIES OF OPERAT
associative property arr
Directions Each equation below is shown as an array. Using the associative
draw another array on...............................................................................
000000
PROPERTIES OF OPERA

PROPERTIES OF OPERATIONS -.................board game ...................

56 0 0

$\qquad$



## 

 0
# COMMUTATE PROPERTY 

Changing the order of factor change the product
$\qquad$

## PROPERTIES OF OPERATIONS

## iolertity property

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

1) $5 \div 1=$ $\qquad$ (2) $4 \times 1=$
3. $6 \div 1=$ $\qquad$

## (4) $1 \times 8=$

(5) $15 \div 1=$
-
(6) $1 \times 12=\ldots$
(7) $24 \div 1=$ $\qquad$ (8) $18 \times 1=$ $\qquad$ (9) $72 \div 1=$
(10) $32 \times 1=$ $\square$ (11) $56 \div 1=$ $\square$ (12) $\times 128=$ -
(13) $2 \mid 2 \div 1=$ $\qquad$ $14385 \times 1=$
15
$590 \div 1=$ $\qquad$
(16) $1 \times 923=$
(17) $1,000 \div 1=$ ---
(18) $2,152 \times 1=$ $\qquad$
$\qquad$

## PROPERTIES OF OPERATIONS

 What's the scoop?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.

$\qquad$

# PROPERTIES OF OPERATIONS 



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.


## 1) $9 \times 6$

Break it down:

(2) $5 \times 8$

$\qquad$

## PROPERTIES OF OPERATIONS

 ReviewDirections: Solve the equations below.

## 1) $9 \div 1=$ <br> 

2
$8 \times 0=$ $\qquad$
(3) $7 \div 0=$ $\qquad$

4 $6 \times 0=\ldots$

5
$0 \div 12=$ $\qquad$ 6. $\quad 9 \times 1=$ _-_

7


8
$1 \times 5=$
--
9
$0 \div 4=$ $\qquad$

Directions: Use the commutative property to write a different but equivalent multiplication equation for each equation below. Then, solve both equations.
10
$3 \times 2=$
(11) $7 \times 6=$
12
$12 \times 2=$ $\qquad$
13

14
$9 \times 5=$

15
$8 \times 3=-$

$\qquad$

## PROPERTIES OF OPERATIONS

## Test

Directions: Solve the equations below.
$17 \div 1=\ldots$
(2) $5 \times 0=$

(3) $6 \div 6=$
4
7 $1 \times 8=$
(5) $15 \div 0=$ $\qquad$ 6. $12 \times I=\ldots$

Directions: Use the commutative property to write a different but equivalent multiplication equation for each equation below. Then, solve both equations.
10

$$
5 \times 6=
$$

11

$$
8 \times 11=
$$

$\qquad$
12
$10 \times 3=$ $\qquad$
(13) $2 \times 9=\ldots$
14
$7 \times 4=$ $\qquad$
15
$12 \times 0=\ldots$


## How Can I Use This Resource?

Thank you for trusting MagiCore. Our mission is to create resources that support teachers and promote student success. Please note that this resource is licensed for use by a single teacher in a classroom setting. If you need to use this resource with more than one teacher and/or across multiple classrooms, additional licenses are available at a discount. You can purchase additional licenses by visiting your TPT "Purchases" page and then selecting "Download Additional Licenses" or by contacting me at julie@magicorelearning.com.


- Use this resource personally or with your own children.
- Use this resource in your own classroom with your students.
- Provide this resource to your students to use at your instruction.
- Print and/or copy for use in your own classroom.
- Provide printed pages to a substitute teacher with the sole purpose of instructing your students.
- Share with your students via a secure document portal or electronic learning platform that requires individual user verification and limits access to only the students in your own classroom (e.g. Google Classroom).
- Review this resource with others with the sole purpose of recommending it to others for purchase, provided you share one of the links below:



## Let"s Connect! <br> www.magicorelearning.com

https://www.teacherspayteachers.com/Store/Magi core

## $f$

https://www.facebook.com/MagiCoreLearning/
https://www.instagram.com/magicorelearning/


## Julie@magicorelearning.com

https://www.pinterest.com/magicorelearning/pins/
looking for more?


## Membership Opportunity!



If you love these resources and want access to more, check out my membership opportunity with the MagiCore Club.

## Join my MagiCore Club waitlist!

MagiCore Club opens its membership doors twice a year to offer teachers all of the resources you love, with a membership discount. You can also find support through my custom learning plan.

Find out more: https://magicorelearning.com/membership


