

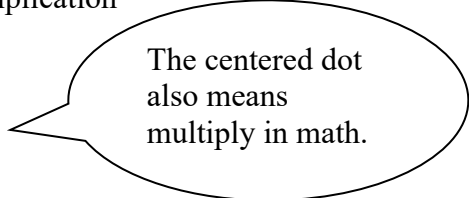
MATH HOMEWORK WED 9-13-23 for the Identity property and Zero Product Property

13) What is the “remember helper” we learned in class for remembering the Identity Property?

14) Tell which property is being displayed (**just write the numbers 1, 2, 3, 4, 5, 6 or 7 on the line**)

- | | |
|---|---|
| 1- Commutative property of addition | 5- Associative property of addition |
| 2- Commutative property of multiplication | 6- Associative property of multiplication |
| 3- Identity Property of Addition | 7- Zero Property of multiplication |
| 4- Identity Property of Multiplication | |

- | | |
|---|-------|
| $29 + 0 = 29$ | _____ |
| $(1 \cdot 2) \cdot 3 = 1 \cdot (2 \cdot 3)$ | _____ |
| $2 + 5 + 6 = 6 + 5 + 2$ | _____ |
| $1 \times 1,500.25 = 1,500.25$ | _____ |
| $100,483,845,664.21 \times 0 = 0$ | _____ |
| $50 \times 49 = 49 \times 50$ | _____ |
| $(1 + 2) + 3 = 1 + (2 + 3)$ | _____ |



15) Use your knowledge of the properties to find each sum or product (answers) **mentally**.

$65 + 89 + 15 =$	_____	$(9 \times 200) \times 5 =$	_____
$1,432 \times 6 \times 0 =$	_____	$20 \times (5 \times 23) =$	_____

16) Create your **own algebraic example** demonstrating the following 4 properties:
Commutative of multiplication: _____ Associative of Addition: _____
Identity Property of multiplication: _____ Zero Property of multiplication: _____

17) DO MATH LINK M300 “Identify Math Properties 1.”

How do you do this?

Go to HOFFKIDS.com, go to Zone 4 MATH LINKS, then go to M300

Make sure you see YOUR CERTIFICATE at the end. That is how you know you finished it (Mr. H gets an email each time a student finishes)

**Repeat this interactive assignment until you get at least an 80%.
Thank you for your extra effort!**

Addends: The numbers you add together to get an answer.

$$50 + 70 = 120$$

Sum: The answer to addition.

Product: The answer to multiplication

$$4 \times 7 = 28$$

Identity Property of addition. When zero is added to a number the sum does not change.

$$\$4 + 0 = \$4$$

$$2,999 + 0 = 2,999$$

$$x + 0 = x$$

remember helper:
Think MIRROR
(identity)

Identity Property of multiplication. Anything times 1 is the number itself

$$5 \times 1 = 5$$

$$373 \times 1 = 373$$

$$a \times 1 = a$$

Zero property of multiplication.
Anything times zero is zero.

$$8 \times 0 = 0$$

$$5000 \times 0 = 0$$

$$n \times 0 = 0$$