

Name _____

Date _____

Additive Identity Vs Multiplicative Identity

G4

Additive Identity Vs Multiplicative Identity means that 0 is the additive identity because adding 0 doesn't change a number, and 1 is the multiplicative identity because multiplying by 1 doesn't change a number.

Q1 Which property states that adding 0 to any number gives the same number?

- A. Multiplicative Identity
- B. Additive Identity
- C. Commutative Property
- D. Associative Property

Q2 What is the multiplicative identity property?

- A. Any number $\times 0 = 0$
- B. Any number $\times 1 = \text{the number}$
- C. Any number $+ 0 = \text{the number}$
- D. Any number $+ 1 = \text{the number}$

Q3 Which expression is equivalent to x ?

- | | |
|-----------------|-----------------|
| A. $x + 1$ | B. $x \times 0$ |
| C. $x \times 1$ | D. $x - 1$ |

Q4 Which shows BOTH the additive identity and multiplicative identity properties?

- | | |
|---------------------------------------|-------------------------------------|
| A. $7 + 0 = 7$ and $7 \times 1 = 7$ | B. $7 + 1 = 8$ and $7 \times 0 = 0$ |
| C. $7 + 7 = 14$ and $7 \times 7 = 49$ | D. $7 + 0 = 7$ and $7 \times 0 = 0$ |

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Additive Identity Vs Multiplicative Identity - Answer Key**Q1 B****Q2 B****Q3 C****Q4 A**