

Properties Of Numbers Answers

Underline and Circle where necessary!!

1. **Property:** Additive Identity Property

Rule: The sum of any number and zero is that number. $(a + 0 = a)$

2. **Property:** Associative Property of Addition

Rule: The grouping of addends doesn't change the sum. $(a + (b + c) = (a + b) + c)$

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4. **Property:** Additive Inverse Property

Rule: The sum of a number and its opposite (inverse) is zero. $(a + (-a) = 0)$

5. **Property:** Commutative Property of Addition

Rule: The order of addends doesn't change the sum. $(a + b = b + a)$

6. **Property:** Additive Identity Property

Rule: The sum of any number and zero is that number. $(a + 0 = a)$

7. **Property:** Commutative Property of Multiplication

Rule: The order of factors doesn't change the product. $(a * b = b * a)$

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Rule: The grouping of factors doesn't change the product. $(a * (b * c) = (a * b) * c)$

12. **Property:** Distributive Property

Rule: Multiplying a number by a group of numbers added together is the same as doing each multiplication separately. $(a * (b + c) = a * b + a * c)$

13. **Property:** Multiplicative Identity Property

Rule: The product of any number and one is that number. ($a * 1 = a$)

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