



1-4 Practice

Properties

Name the property shown by each statement.

- $4 + (9 + 6) = (4 + 9) + 6$ **Associative Property of Addition**
- $x + 12 = 12 + x$ **Commutative Property of Addition**
- $(3 + y) + 0 = 3 + y$ **Identity Property of Addition**
- $(x + y) + z = x + (y + z)$ **Associative Property of Addition**
- $(15 + x) + 2 = 2 + (15 + x)$ **Commutative Property of Addition**
- $x \cdot 1 = x$ **Identity Property of Multiplication**
- $14xy = 14yx$ **Commutative Property of Multiplication**
- $(3 + 5) + c = 3 + (5 + c)$ **Associative Property of Addition**
- $(2 \cdot 5) \cdot 0 = 0$ **Multiplicative Property of Zero**
- $6 \cdot (8 + c) = (8 + c) \cdot 6$ **Commutative Property of Multiplication**
- $6 \cdot (4 \cdot 3) = (6 \cdot 4) \cdot 3$ **Associative Property of Multiplication**
- $(3 \cdot 9) \cdot 1 = 3 \cdot 9$ **Identity Property of Multiplication**
- $(a + b) + c = c + (a + b)$ **Commutative Property of Addition**
- $(x + y) \cdot 5 = (y + x) \cdot 5$ **Commutative Property of Addition**
- $ab + 0 = ab$ **Identity Property of Addition**
- $a \cdot b = b \cdot a$ **Commutative Property of Multiplication**
- $(x \cdot y) \cdot z = x \cdot (y \cdot z)$ **Associative Property of Multiplication**
- $(7 \cdot 3) \cdot 5 = 7 \cdot (3 \cdot 5)$ **Associative Property of Multiplication**
- $(2 + x) \cdot 0 = 0$ **Multiplicative Property of Zero**
- $(8 + 5) + 3 = 3 + (8 + 5)$ **Commutative Property of Addition**
- $(a + b) \cdot 1 = a + b$ **Identity Property of Multiplication**