

Identity Property Of Addition (Additive Identity)	$327 + 0 = 327$	$95.342 + 0 = 95.342$	$a + 0 = a$
Identity Property Of Multiplication (Multiplicative Identity)	$2,341 \cdot 1 = 2,341$	$\frac{3}{7} \cdot 1 = \frac{3}{7}$	$a \cdot 1 = a$
Inverse Property Of Addition (Additive Inverse)	$21 + -21 = 0$	$3.5 + 3.5 = 0$	$a + -a = 0$
Inverse Property Of Multiplication (Multiplicative Inverse)	$13 \cdot \frac{1}{13} = 1$	$\frac{4}{5} \cdot \frac{5}{4} = 1$	$a \cdot \frac{1}{a} = 1$
Distributive Property Multiplication over Addition Multiplication over Subtraction	$6(4 + 3) = 6(4) + 6(3)$ $7(5 - 2) = 7(5) - 7(2)$	$2.1(3.2+4.5)=2.1(3.2) + 2.1(4.5)$ $3.7(6.4 - 5.2)=3.7(6.4) - 3.7(5.2)$	$a(b + c) = a(b) + a(c)$ $a(b - c) = a(b) - a(c)$

Commutative Property of Addition	$32 + 574 = 574 + 32$	$\frac{1}{2} + \frac{2}{3} = \frac{2}{3} + \frac{1}{2}$	$a + b = b + a$
Commutative Property of Multiplication	$175 \cdot 12 = 12 \cdot 175$	$2.7 \cdot 5.3 = 5.3 \cdot 2.7$	$a(b) = b(a)$
Associative Property of Addition	$(9 + 8) + 7 = 9 + (8 + 7)$	$(3.1 + 2.3) + 4.7 = 3.1 + (2.3 + 4.7)$	$(a + b) + c = a + (b + c)$
Associative Property of Multiplication	$(15 \cdot 20) \cdot 39 = 15 \cdot (20 \cdot 39)$	$\left(\frac{4}{7} \cdot \frac{2}{5}\right) \cdot \frac{1}{3} = \frac{4}{7} \cdot \left(\frac{2}{5} \cdot \frac{1}{3}\right)$	$(a \cdot b) \cdot c = a \cdot (b \cdot c)$
Zero Property of Multiplication	$1,527 \cdot 0 = 0$	$0.03954 \cdot 0 = 0$	$a \cdot 0 = 0$