

The Distributive Property means MULTIPLY



Use the distributive property to simplify each algebraic expression. The first three explain the basics, but you must use the distributive property when you cannot combine terms.

$$4(2 + 3) \quad 20$$

$$4 * 2 = 8 \quad 4(2+3)$$

$$4 * 3 = 12 \quad 4(5)$$

$$8 + 12 = 20 \quad 4 * 5 = 20$$

$$-6(x - 10)$$

$$-6 * x = -6x$$

$$-6 * -10 = 60$$

$$-6x + 60$$

$$2(4x - 1)$$

$$2 * 4x = 8x$$

$$2 * -1 = -2$$

$$8x - 2$$

$$(5x - 8)2$$

$$5(3 - 2)$$

$$-3(5 + x)$$

$$7(5x + 2y)$$

$$(-6x + 3)(-7)$$

$$8(4 + 7)$$

$$-9(4 - x)$$

$$-4(2x - 9)$$

$$(-x - 1)4$$



ALGEBRAIC EXPRESSIONS

Simplify the following algebraic expressions by using the distributive property.

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$$2(a + 4) =$$

$$6(b + 12) =$$

$$3(2c + 2) =$$

$$5(m - 2) =$$

$$7(x + 10) =$$

$$6(3b - 3) =$$

$$2(5 + 8b) =$$

$$-2(x + 5) =$$

$$-3(b - 4) =$$

$$-3(2 + 6c) =$$

$$-3(-m + 2) =$$

$$4(-x + 8) =$$

$$2(-5b + 2) =$$

$$-2(-3 - 5a) =$$