



1.  $10(m+n)$       2.  $12(y-3)$       3.  $5(4x-2)$       4.  $6(3a+2c)$       5.  $-(8m-15)$
6.  $-3(m-5n)$       7.  $-9(2x+5y)$       8.  $20(a+3c-4)$       9.  $-(2a-5c+11)$       10.  $-6(-2x+5y-z)$
11.  $3(6x+4)-8$       12.  $5(-2m+10)+3$       13.  $-2(8m+3)+10$       14.  $-9(6m-1)-5$

**Use the Distributive Property to factor each sum into a multiplication expression.**

**Example:**  $4a+4c \Rightarrow 4(a+c)$

15.  $10n+10 \cdot 4 \Rightarrow$

16.  $-8w+^{-}8y \Rightarrow$

**Name the property illustrated by each statement.**

17.  $11+5 = 5+11$

18.  $5(x+4) = 5x+5 \cdot 4$

19.  $10(xy) = (10x)y$

20.  $7+(n+3) = (n+3)+7$

21.  $6x+6z = 6(x+z)$

22.  $x+8 = x+8 \cdot 1$

23.  $3(xc) = 3(cx)$

24.  $\left(10 \cdot \frac{1}{10}\right)w = 1 \cdot w$

25.  $a+(n+8) = (a+n)+8$

26.  $(-5+5)N = 0 \cdot N$

27.  $A+C = (A+0)+C$