Name _____ Understanding the distributive property

Distribute the Wealth

The **distributive property**: *Multiplying a factor by the sum of two numbers equals the sum of the two products.*

6 groups of (3 + 5) = 6 groups of 3 + 6 groups of 5

6 x (3 + 5) = (6 x 3) + (6 x 5)
6 x 8 = 18 + 30

Complete each multiplication sentence using the distributive property.

A. ☐ x (2 + 5) = (5 x 2) + (5 x 5)

B. ☐ x (1 + 8) = (7 x 1) + (7 x 8)

C. ☐ x (☐ + ☐) = (9 x 3) + (9 x 6)

D. 11 x (3 + 8) = (☐ x 3) + (☐ x 8)

E. 1 x (☐ + ☐) = (1 x 3) + (1 x 9)

F. 4 x (3 + 4) = (☐ x ☐) + (☐ x ☐)

G. 12 x (3 + 3) = (12 x ☐) + (12 x ☐)

H. ☐ x (☐ + ☐) = (5 x 8) + (5 x 9)

I. 2 x (8 + 9) = (2 x ☐) + (2 x ☐)

J. ☐ x (4 + 8) = (9 x ☐) + (9 x ☐)

K. 12 x (☐ + ☐) = (12 x 3) + (12 x 5)

L. 12 x (5 + 5) = (☐ x 5) + (☐ x 5)

M. ☐ x (3 + 8) = (9 x 3) + (9 x 8)

N. 4 x (3 + 9) = (☐ x ☐) + (☐ x ☐)

O. ☐ x (☐ + ☐) = (2 x 3) + (2 x 11)

P. 2 x (9 + 4) = (2 x ☐) + (2 x ☐)

Q. 8 x (9 + 4) = (☐ x 9) + (☐ x 4)

R. ☐ x (5 + 4) = (11 x 5) + (☐ x 4)

S. ☐ x (3 + 12) = (1 x 3) + (1 x 12)

T. 6 x (☐ + ☐) = (☐ x 8) + (☐ x 9)

U. 9 x (2 + 4) = (☐ x ☐) + (☐ x ☐)

V. 7 x (4 + 8) = (☐ x 4) + (☐ x 8)