

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

$$\begin{aligned} 6 \times (3 + 5) &= (6 \times 3) + (6 \times 5) \\ 6 \times 8 &= 18 + 30 \end{aligned}$$



Complete each multiplication sentence using the distributive property.

A. $\square \times (2 + 5) = (5 \times 2) + (5 \times 5)$

B. $\square \times (1 + 8) = (7 \times 1) + (7 \times 8)$

C. $\square \times (\square + \square) = (9 \times 3) + (9 \times 6)$

D. $11 \times (3 + 8) = (\square \times 3) + (\square \times 8)$

E. $1 \times (\square + \square) = (1 \times 3) + (1 \times 9)$

F. $4 \times (3 + 4) = (\square \times \square) + (\square \times \square)$

G. $12 \times (3 + 3) = (12 \times \square) + (12 \times \square)$

H. $\square \times (\square + \square) = (5 \times 8) + (5 \times 9)$

I. $2 \times (8 + 9) = (2 \times \square) + (2 \times \square)$

J. $\square \times (4 + 8) = (9 \times \square) + (9 \times \square)$

K. $12 \times (\square + \square) = (12 \times 3) + (12 \times 5)$

L. $12 \times (5 + 5) = (\square \times 5) + (\square \times 5)$

M. $\square \times (3 + 8) = (9 \times 3) + (9 \times 8)$

N. $4 \times (3 + 9) = (\square \times \square) + (\square \times \square)$

O. $\square \times (\square + \square) = (2 \times 3) + (2 \times 11)$

P. $2 \times (9 + 4) = (2 \times \square) + (2 \times \square)$

Q. $8 \times (9 + 4) = (\square \times 9) + (\square \times 4)$

R. $\square \times (5 + 4) = (11 \times 5) + (\square \times 4)$

S. $\square \times (3 + 12) = (1 \times 3) + (1 \times 12)$

T. $6 \times (\square + \square) = (\square \times 8) + (\square \times 9)$

U. $9 \times (2 + 4) = (\square \times \square) + (\square \times \square)$

V. $7 \times (4 + 8) = (\square \times 4) + (\square \times 8)$