

Home class 19: Multiplication - Distributive property

1. Solve the following exercises using the property

$$129 \times 3 =$$

$$\begin{array}{l} (\square + \square + \square) \times 3 \\ \square \times 3 + \square \times 3 + \square \times 3 \\ \square + \square + \square \\ \square \end{array}$$

$$5 \times 205 =$$

$$\begin{array}{l} 5 \times (\square + \square + \square) \\ 5 \times \square + 5 \times \square + 5 \times \square \\ \square + \square + \square \\ \square \end{array}$$

$$218 \times 7 =$$

$$\begin{array}{l} (\square + \square + \square) \times 7 \\ \square \times 7 + \square \times 7 + \square \times 7 \\ \square + \square + \square \\ \square \end{array}$$

$$9 \times 143 =$$

$$\begin{array}{l} 9 \times (\square + \square + \square) \\ 9 \times \square + 9 \times \square + 9 \times \square \\ \square + \square + \square \\ \square \end{array}$$

II. Write **yes/no** if the exercise is showing the distributive property.

a. ☐ $412 \times 8 = (400 \times 8) + 12$

c. ☐ $4 \times 532 = 4 \times 50 + 4 \times 30 + 4 \times 2$

b. ☐ $245 \times 6 = 200 \times 6 + 40 \times 6 + 5 \times 6$

d. ☐ $5 \times 422 = 5 \times 400 + 5 \times 20 + 5 \times 2$
