

The Distributive Property in Arithmetic

1 Fill in the blanks to make this equation true.

$$5 \times (8 + 3) = \square \times 8 + \square \times 3$$

2 Fill in the blanks to make this equation true.

$$6 \times (12 - 9) = 6 \times \square - 6 \times \square$$

3 Use the Distributive Property to simplify this expression. (Show your work!)

$$3 \times (8 + 10)$$

4 Use the Distributive Property to simplify this expression. (Show your work!)

$$7 \times (11 - 5)$$

5 Use the Distributive Property to simplify this expression. (Show your work!)

$$4 \times (3 + 9 - 2)$$

6 Use the Distributive Property to rearrange this multiplication problem so it is easier to do mentally. Then simplify it.

$$5 \times 29$$

7 Use the Distributive Property to rearrange this multiplication problem so it is easier to do mentally. Then simplify it.

$$8 \times 82$$

8 Use the Distributive Property to rearrange this multiplication problem so it is easier to do mentally. Then simplify it.

$$3 \times 158$$