

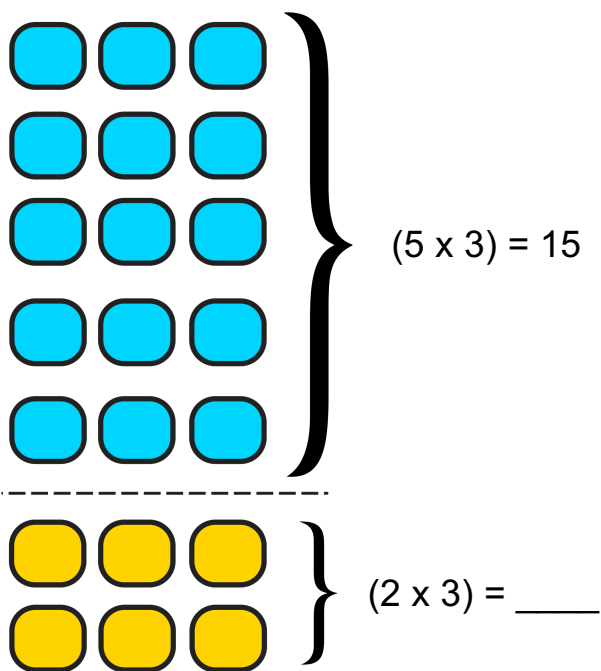
Name: \_\_\_\_\_

# Modeling the Distributive Property Using Arrays

Directions: Fill in all of the blanks for each example below.

1.)

$$7 \times 3 = (5 \times 3) + (2 \times 3) = \underline{\hspace{2cm}}$$

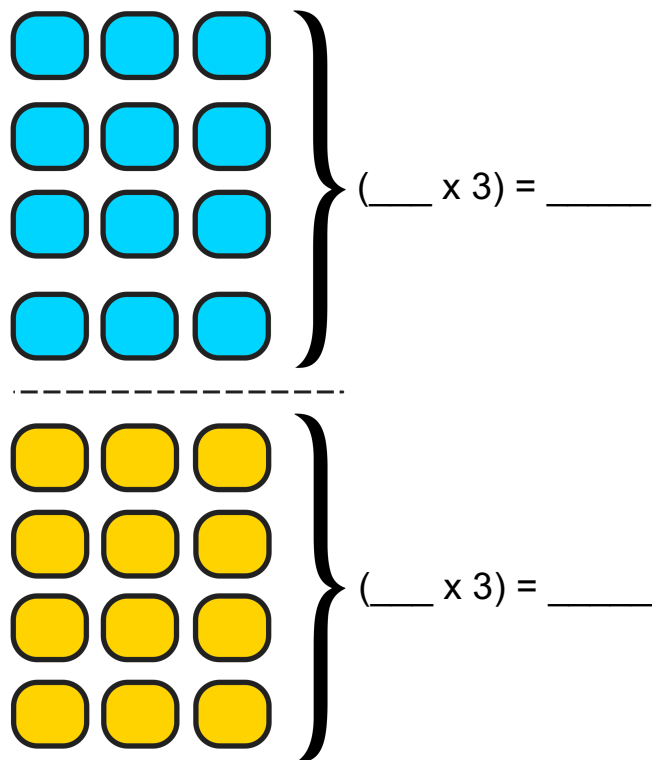


$$(5 \times 3) + (2 \times 3) = 15 + \underline{\hspace{1cm}}$$

$$15 + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$$

2.)

$$8 \times 3 = (4 \times 3) + (4 \times 3) = \underline{\hspace{2cm}}$$



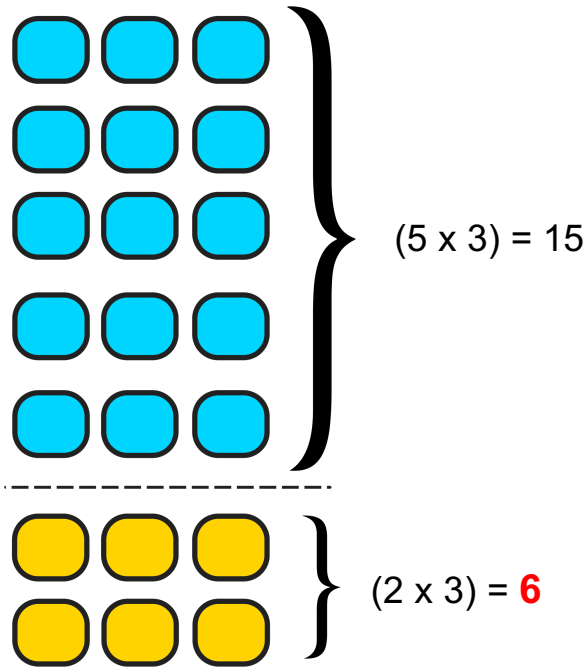
$$(4 \times 3) + (4 \times 3) = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$$

$$\underline{\hspace{1cm}} \times 3 = \underline{\hspace{2cm}}$$

## ANSWER KEY

1.)

$$7 \times 3 = (5 \times 3) + (2 \times 3) = 21$$

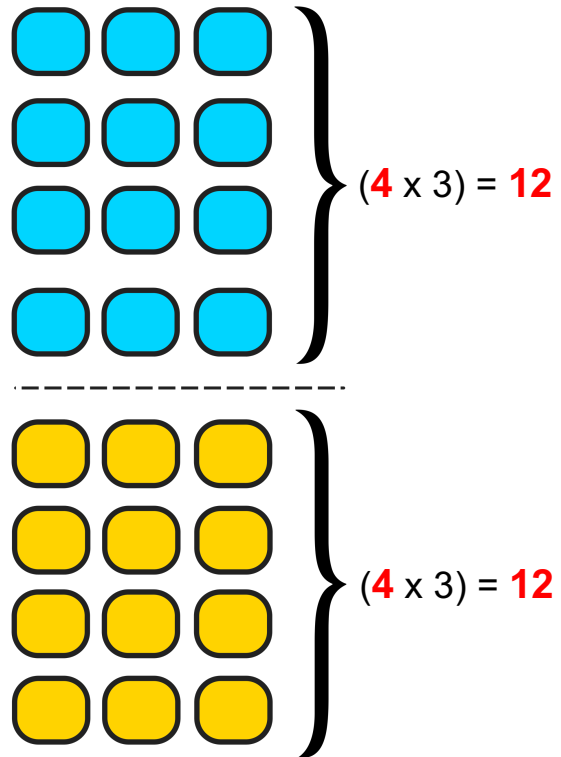


$$(5 \times 3) + (2 \times 3) = 15 + 6$$

$$15 + 6 = 21$$

2.)

$$8 \times 3 = (4 \times 3) + (4 \times 3) = 24$$



$$(4 \times 3) + (4 \times 3) = 12 + 12$$

$$8 \times 3 = 24$$