

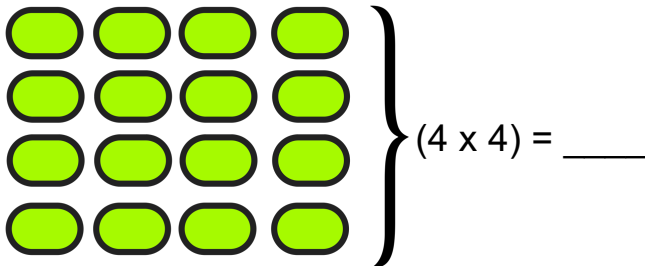
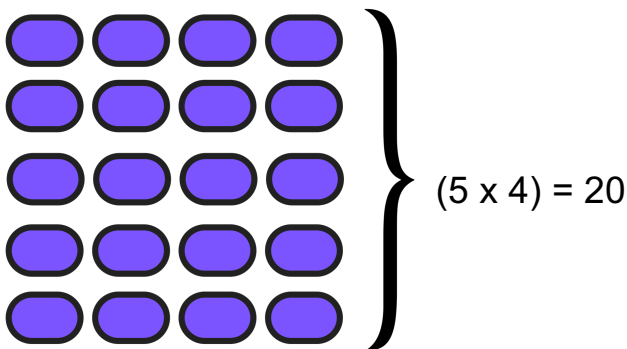
Name: _____

Modeling the Distributive Property Using Arrays

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

1.)

$$9 \times 4 = (5 \times 4) + (4 \times 4) = \underline{\hspace{2cm}}$$

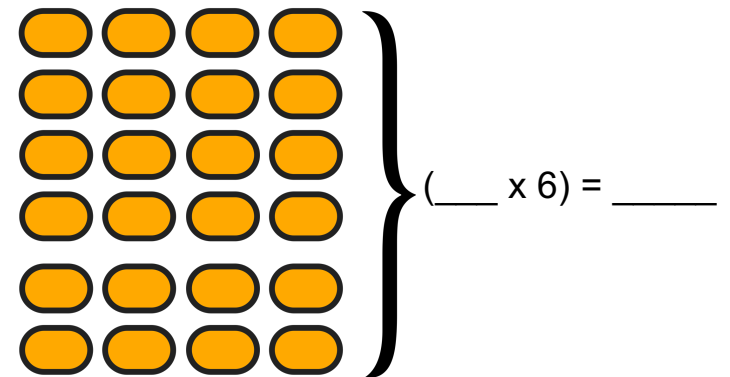
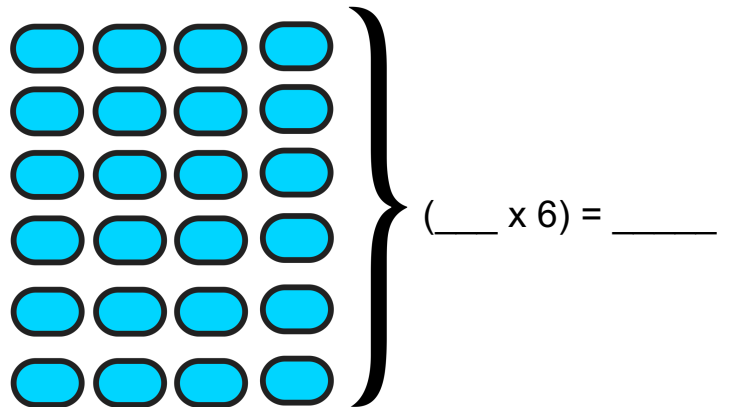


$$(5 \times 4) + (4 \times 4) = 20 + \underline{\hspace{1cm}}$$

$$20 + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$$

2.)

$$8 \times 6 = (4 \times 6) + (4 \times 6) = \underline{\hspace{2cm}}$$



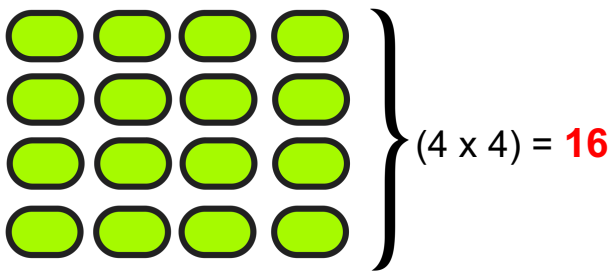
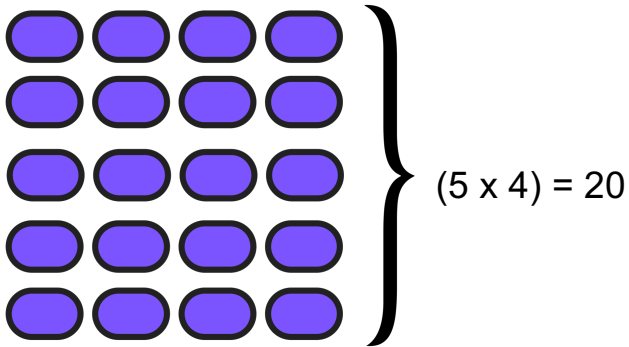
$$(4 \times 6) + (4 \times 6) = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$$

$$\underline{\hspace{1cm}} \times 6 = \underline{\hspace{2cm}}$$

ANSWER KEY

1.)

$$9 \times 4 = (5 \times 4) + (4 \times 4) = 36$$

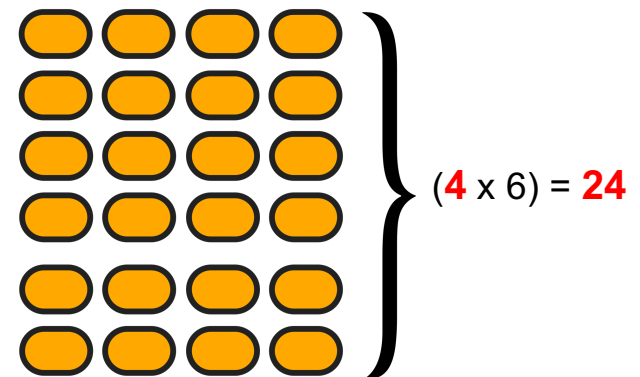
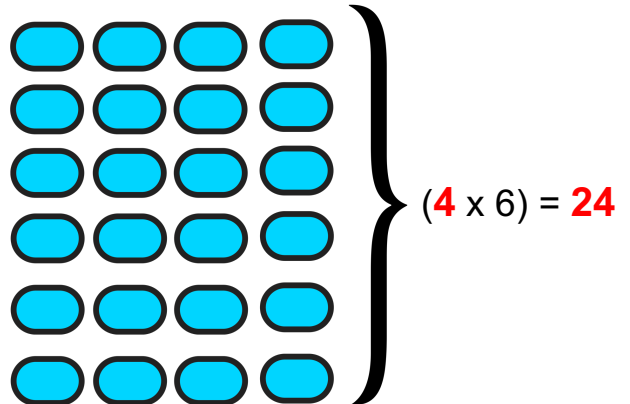


$$(5 \times 4) + (4 \times 4) = 20 + 16$$

$$20 + 16 = 36$$

2.)

$$8 \times 6 = (4 \times 6) + (4 \times 6) = 48$$



$$(4 \times 6) + (4 \times 6) = 24 + 24$$

$$8 \times 6 = 48$$