

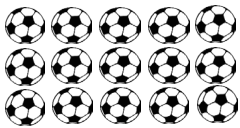
Name _____

Date _____

1. The team organizes soccer balls into 2 rows of 5. The coach adds 3 rows of 5 soccer balls. Complete the equations to describe the total array.



a. $(5 + 5) + (5 + 5 + 5) = \underline{\hspace{2cm}}$

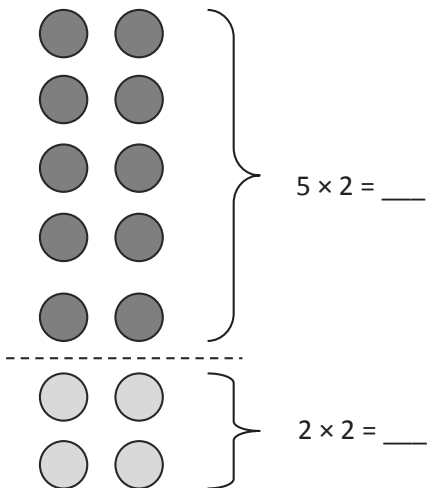


b. 2 fives + _____ fives = _____ fives

c. _____ $\times 5 = \underline{\hspace{2cm}}$

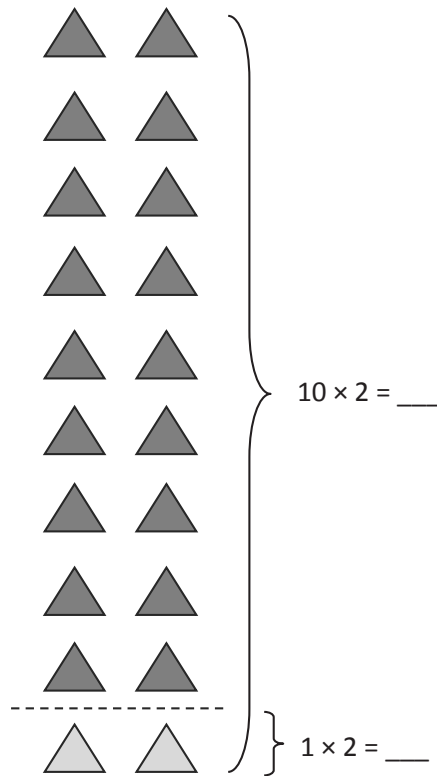
2. $7 \times 2 = \underline{\hspace{2cm}}$

3. $9 \times 2 = \underline{\hspace{2cm}}$



$10 + 4 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} \times 2 = 14$



$20 - \underline{\hspace{2cm}} = 18$

$9 \times 2 = \underline{\hspace{2cm}}$

4. Matthew organizes his baseball cards in 4 rows of 3.
- a. Draw an array that represents Matthew's cards using an x to show each card.

b. Solve the equation to find Matthew's total number of cards. $4 \times 3 = \underline{\quad}$

5. Matthew adds 2 more rows. Use circles to show his new cards on the array in Problem 4(a).
- a. Write and solve a multiplication equation to represent the circles you added to the array.

$$\underline{\quad} \times 3 = \underline{\quad}$$

- b. Add the totals from the equations in Problems 4(b) and 5(a) to find Matthew's total cards.

$$\underline{\quad} + \underline{\quad} = 18$$

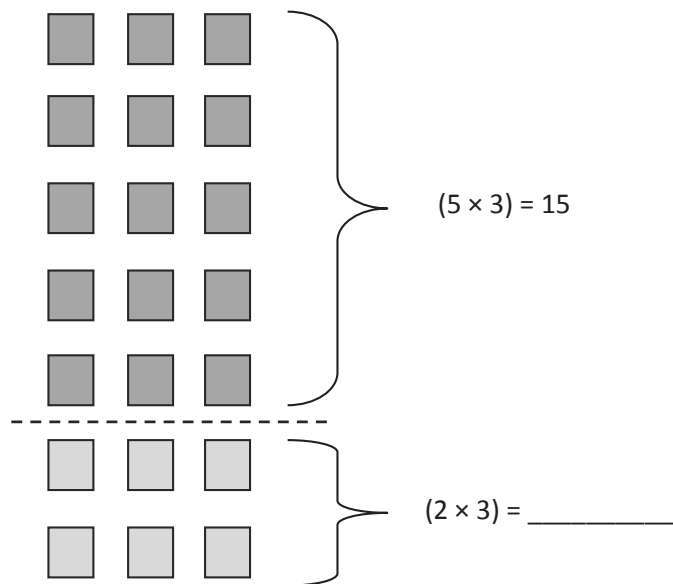
- c. Write the multiplication equation that shows Matthew's total number of cards.

$$\underline{\quad} \times \underline{\quad} = 18$$

Name _____

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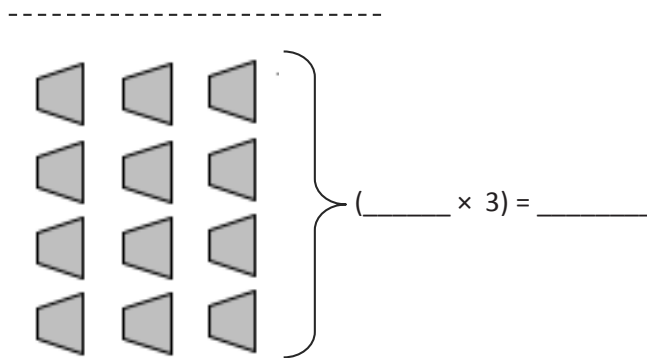
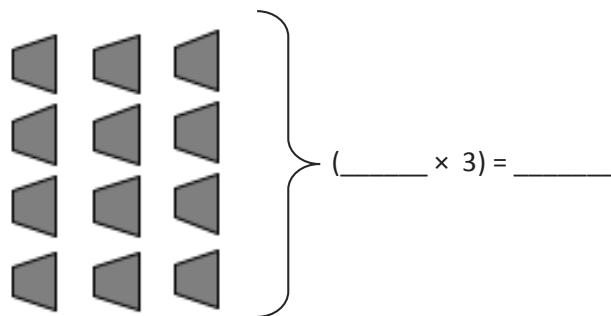
1. $7 \times 3 = (5 \times 3) + (2 \times 3) =$ _____



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

$15 +$ _____ $=$ _____

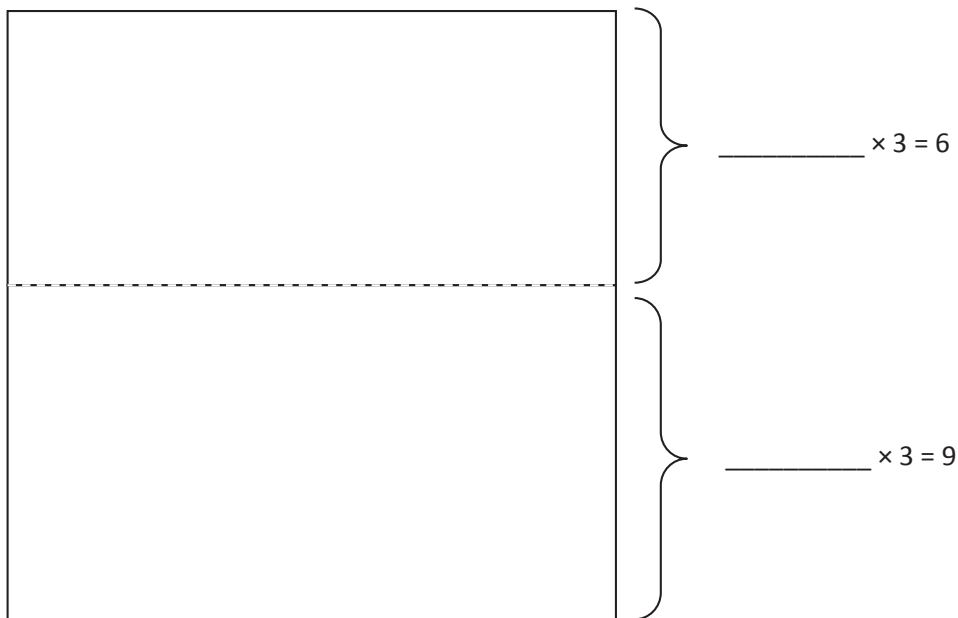
2. $8 \times 3 = (4 \times 3) + (4 \times 3) =$ _____



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

_____ \times 3 = _____

3. Ruby makes a photo album. One page is shown below. Ruby puts 3 photos in each row.
- a. Fill in the equations on the right. Use them to help you draw arrays that show the photos on the top and bottom parts of the page.



- b. Ruby calculates the total number of photos as shown below. Use the array you drew to help explain Ruby's calculation.

$$5 \times 3 = 6 + 9 = 15$$