

Name _____

MY Homework

Lesson 2

The Distributive Property

Homework Helper



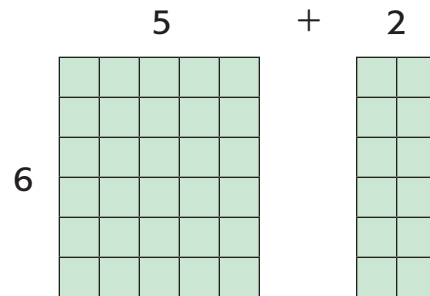
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Melanie ran 6 laps around a track each day for 7 days.
How many laps did Melanie run that week?

Find 6×7 .

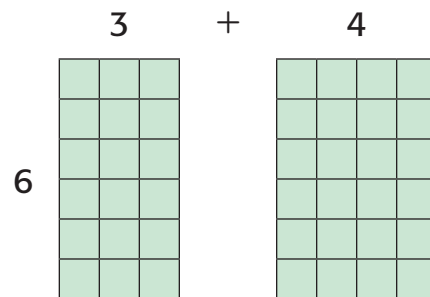
One Way Decompose 7 into $5 + 2$.

$$\begin{aligned} 6 \times 7 &= (6 \times 5) + (6 \times 2) \\ &= 30 + 12 \\ &= 42 \end{aligned}$$



Another Way Decompose 7 into $3 + 4$.

$$\begin{aligned} 6 \times 7 &= (6 \times 3) + (6 \times 4) \\ &= 18 + 24 \\ &= 42 \end{aligned}$$



$$6 \times 7 = 42$$

So, Melanie ran 42 laps in one week.

Practice

Use the Distributive Property to find each product.

1. $4 \times 9 = \underline{36}$

2. $5 \times 6 = \underline{30}$

Use the Distributive Property to find each product.

3. $5 \times 11 = \underline{55}$


4. $12 \times 7 = \underline{84}$



Problem Solving

5. Milly bought 4 bags of apples at the grocery store. Each bag contains 6 apples. How many apples does Milly have in all?

24 apples

6. **Mathematical PRACTICE**  **Identify Structure** Byron scrambled 8 dozen eggs for the campers. What is the total number of eggs Byron scrambled? (*Hint*: 1 dozen = 12)

96 eggs

7. There are 6 seats in each row in the theater. If 8 rows are filled with people, how many people are in the theater?

48 people

Vocabulary Check



8. Explain how you could use the Distributive Property to decompose a factor and find the product of 5×9 .

Sample answer: You could decompose 9 into $5 + 4$. Use the Distributive Property to find $(5 \times 5) + (5 \times 4) = 25 + 20 = 45$.

Test Practice

9. Which shows the correct use of the Distributive Property to find 4×12 ?

(A) $(2 \times 6) + (2 \times 6)$

(C) $(4 \times 6) + (2 \times 6)$

(B) $(4 \times 10) + (4 \times 2)$

(D) $(4 \times 8) + (4 \times 3)$