

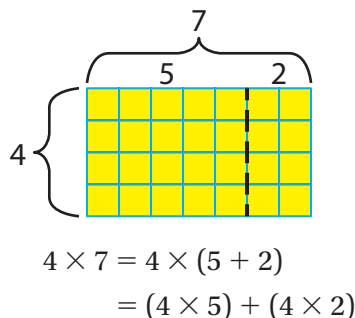
Key Concept and Vocabulary

$$\begin{aligned} 3 \times 14 &= 3 \times (10 + 4) \\ &= (3 \times 10) + (3 \times 4) \end{aligned}$$

$$\begin{aligned} 7 \times 9 &= 7 \times (10 - 1) \\ &= (7 \times 10) - (7 \times 1) \end{aligned}$$



Visual Model



Skill Examples

- $13 \times 6 = (10 + 3) \times 6$
 $= (10 \times 6) + (3 \times 6)$
 $= 60 + 18$
 $= 78$
- $5 \times 19 = 5 \times (20 - 1)$
 $= (5 \times 20) - (5 \times 1)$
 $= 100 - 5$
 $= 95$

Application Example

- A coach buys 6 blue hats and 6 red hats. Each hat costs \$4. How much money does the coach spend?

$$\begin{aligned} (6 + 6) \times 4 &= (6 \times 4) + (6 \times 4) \\ &= 24 + 24 \\ &= 48 \end{aligned}$$

• The coach spends \$48.



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Check your answers at BigIdeasMath.com.

Use the Distributive Property to rewrite the expression.

4. $3 \times (10 + 2)$

5. $(10 - 3) \times 7$

6. $6 \times (10 + 10 + 4)$

Use the Distributive Property to find the product.

7. $8 \times 12 =$ _____

8. $11 \times 7 =$ _____

9. $3 \times 15 =$ _____

10. $18 \times 6 =$ _____

11. $4 \times 23 =$ _____

12. $9 \times 19 =$ _____

13. $5 \times 16 =$ _____

14. $29 \times 2 =$ _____

15. $8 \times 13 =$ _____

16. **BAKING** You have 3 packages of blueberry muffin mix and 2 packages of wild berry muffin mix. Each package makes 12 muffins. How many muffins can you bake?