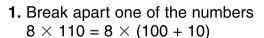
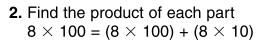
## **Distributive Property**

A school cafeteria ordered 8 cases of mixed fruit. Each case holds 110 cans. How many cans of mixed fruit did they order?

$$8 \times 110 = ?$$

Use the distributive property:  $a \times (b + c) = (a \times b) + (a \times c)$ 





**3.** Add:

$$8 \times 110 = (800) + (80)$$

 $8 \times 110 = 880$ 

Hint:

You can use the Distributive Property to multiply numbers in your head.

The cafeteria ordered 880 cans of fruit.

## Use the Distributive Property to solve.

## Circle the statements that are true.

**5.** 
$$5 \times 125 = (5 \times 100) + (5 \times 25)$$

7. 
$$3 \times 55 = (3 \times 5) + (3 \times 5)$$

**9.** 
$$7 \times 340 = (7 \times 300) + (7 \times 40)$$

**6.** 
$$8 \times 36 = (8 \times 36) + (8 \times 6)$$

**8.** 
$$6 \times 95 = (6 \times 90) + (6 \times 5)$$

**10.** 
$$2 \times 446 = (2 \times 400) + (2 \times 40)$$

## Use the Distributive Property to complete each solution.

**11.** 
$$6 \times (2 + 3) = (6 \times 2) + (6 \times 3) = ___ + 18 = ____$$

**12.** 
$$9 \times (5 + 2) = (\underline{\hspace{1cm}} \times 5) + (9 \times \underline{\hspace{1cm}}) = 45 + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

**13.** 
$$4 \times (20 + 8) = (4 \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times 8) = 80 + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$