

Name \_\_\_\_\_ Date \_\_\_\_\_

# Multiplication: Sweet Distribution



Use the **Distributive Property of Multiplication** to solve each problem below.



## Steps:

- Write a multiplication expression, like  $3 \times 12$ .
- Decompose one of the factors into smaller parts. For example, you might decompose 12 into  $(10 + 2)$ .
- Multiply by both parts of the decomposed factor.
- Add the two partial products to find the answer.

## EXAMPLE:

$$3 \times 12$$

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

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

$$30 + 6$$

$$36$$



1. The Main Street ice cream parlor serves a famous four scoop ice cream sundae. When Tino's baseball team arrived after practice, each of the 18 members of the team ordered a sundae. How many scoops of ice cream did the team eat altogether?

**72 scoops of ice cream**

2. Johanna is making chocolate chip cookies for her school's bake sale. She puts six chocolate chips in each cookie. How many chocolate chips will she use if she makes 24 cookies altogether?

**144 chocolate chips**

3. Paulo sells boxes of toffee to raise money for local charities. On Saturday he sold 17 boxes. How much toffee did Paulo sell if each box contains nine ounces of toffee?

**153 ounces of toffee**