Multiplication:
Sweet Distribution

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

Steps:

- Write a multiplication expression, like 3 × 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 × 12

3 × (10 + 2)

(3 × 10) + (3 × 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?

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?

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?