

Lesson 2 Reteach

Solve Capacity Problems

Capacity is the amount of liquid a container can hold. Sometimes you need to figure how much more or less liquid there is. You can add, subtract, multiply, or divide when solving capacity problems.

Adele has 4 full bottles of lotion. Each bottle has a capacity of 80 milliliters. How many milliliters of lotion does Adele have altogether?

This problem asks for the total milliliters of lotion. You can use multiplication to find the answer.

$$4 \text{ bottles} \times 80 \text{ milliliters per bottle} = 320 \text{ milliliters}$$

So, Adele has 320 milliliters of lotion in all.

Choose the correct operation. Write an equation to solve each problem.

1. Hugo made some cupcakes. He used 10 milliliters of icing for each cupcake. How many milliliters of icing did Hugo use for 24 cupcakes?

$$\underline{24 \times 10 \text{ mL} = 240 \text{ milliliters}}$$

2. Lina made 12 liters of soup. She divided the soup equally among her family and 3 neighbors' families. How much soup did each family get?

$$\underline{12 \text{ L} \div 4 = 3 \text{ liters}}$$

3. Tyler had 1,200 milliliters of water in a sports bottle. He drank 350 milliliters. How much water is left in the bottle?

$$\underline{1,200 \text{ mL} - 350 \text{ mL} = 850 \text{ milliliters}}$$

4. Colby used 14 milliliters of hot fudge, 9 milliliters of caramel sauce, and 11 milliliters of whipped cream on an ice-cream sundae. How many milliliters of toppings did he use in all?

$$\underline{14 \text{ mL} + 9 \text{ mL} + 11 \text{ mL} = 34 \text{ milliliters}}$$