

Lesson 10-1

Reinforce Understanding

Math is Everywhere

I can find applications of math outside of school — in professions like being a chef, in hobbies like gardening, and around my own house.

Worked model

When chefs plan menus, they determine the number of items on the menu and calculate the price point for each item.

1. They decide on the portion size of each item and project how much food is needed for each day.
2. They calculate how much of each ingredient to order — that is counting, measuring, and multiplying, all before a single dish is cooked.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. A planter is 4 feet long and 2 feet wide. What is its area?

Circle the letter of the best answer. Show how you know.

- A. 2 square feet
- B. 6 square feet
- C. 8 square feet
- D. 12 square feet

2. That same planter is 4 feet long, 2 feet wide, and needs soil 1 foot deep. How much soil does the gardener need?

Circle the letter of the best answer. Show how you know.

- A. 4 cubic feet
- B. 7 cubic feet
- C. 8 cubic feet
- D. 8 square feet

Show your work

3. Leaving the water running while brushing wastes an average of 4 gallons per brushing. You brush twice a day. How much water can one person save per day by only turning the water on to rinse?

Circle the letter of the best answer. Show how you know.

- A. 2 gallons
- B. 4 gallons
- C. 6 gallons
- D. 8 gallons