

Lesson 10-1 • Group 1

Reinforce Understanding

10.1 Small Group • Group 1

With my small group, I can find applications of math outside of school — in professions like being a chef, in hobbies like gardening, and around my own house — one step at a time, with support.

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. Sort each gardening question: does it need area or volume?

Write the name of the correct group on each line.

Groups: Area (square feet) Volume (cubic feet)

- _____ How much ground does the planter cover?
- _____ How much mesh covers the top against birds?
- _____ How much of the yard is left uncovered?
- _____ How much soil fills the planter?
- _____ How much compost fills a second, deeper planter?
- _____ How much water does the full rain barrel hold?

2. Each person who rinses instead of running water saves 8 gallons a day. Complete the table.

Complete the table. Show how you found each value.

People in the house	Thinking	Gallons saved per day
3		
5		
8		

Show your work

3. 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