

Lesson 10-1 • Group 2

Reinforce Understanding

10.1 Small Group • Group 2

I can find applications of math outside of school — in professions like being a chef, in hobbies like gardening, and around my own house, explain why the method works, and use it on a problem I have not seen before.

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. 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

2. Match each person to the math their real-world task uses.

Write the letter of the matching item on each line.

1. _____ Chef tripling a recipe
 2. _____ Gardener filling a $4 \times 2 \times 1$ ft planter
 3. _____ Family tracking water savings
 4. _____ Shopper comparing two sizes
- A Multiply every ingredient by 3
 - B Volume: 8 cubic feet of soil
 - C 8 gallons $\times$ 365 days
 - D Unit rate: price $\div$ quantity