

**Share and Show**

1. Edgardo has a drink cooler that holds 10 gallons of water. He is filling the cooler with a 1-quart container. How many times will he have to fill the quart container to fill the cooler?

**First**, make a table to show the relationship between gallons and quarts. You can use a conversion table to find how many quarts are in a gallon.

gal	1	2	3	4	10
qt	4				

**Then**, look for a rule to help you complete your table.

number of gallons  $\times$  \_\_\_\_\_ = number of quarts

**Finally**, use the table to solve the problem.

Edgardo will need to fill the quart container \_\_\_\_\_ times.

- ✓ 2. What if Edgardo fills the cooler with only 32 quarts of water. How can you use your table to find how many gallons that is?

---

---

---

---

- ✓ 3. How would the number of times Edgardo uses a container to fill the 10-gallon cooler change if he uses a 1-cup container? Explain.

---

---

---

---

**Show the Math**

Demonstrate Your Thinking

## On Your Own

**Solve.**

4. A science teacher collects 18 pints of lake water for a lab she is teaching. The lab requires each student to use 4 fluid ounces of lake water. If 68 students are participating, how many pints of lake water will the teacher have left over?

---

6. When Elena's car moves forward such that each tire makes one full rotation, the car has traveled 72 inches. How many full rotations will the tires need to make for Elena's car to travel 10 yards?

---

8. Tariq cuts an 8-yard string into 3 equal pieces. How many inches long is each piece of string?

---

10. Nek is painting his house. He uses 2 quarts of paint per hour. Nek paints for 8 hours. How many gallons of paint did he use? Show your work.

---

---

5. **MTR** A string of decorative lights is 28 feet long. The first light on the string is 16 inches from the plug. If the lights on the string are spaced 4 inches apart, how many lights are there on the string? Draw a picture to help you solve the problem.

---

7. Kei is making a picture frame. He has a piece of trim that is 4 feet long. How many 14-inch-long pieces can Kei cut from the trim? How much of a foot will he have left over?

---

9. Carla uses 2.75 cups of whole milk and 1.375 cups skim milk in her yogurt. How many ounces does she use in all?

---