

LESSON
6-3

Using Ratios and Rates to Solve Problems

Practice and Problem Solving: A/B

Solve using ratios.

1. Mark is using the ratio of 3 tablespoons of sugar to 2 tablespoons of milk in a recipe. Complete the table to show equivalent ratios if Mark decides to increase the recipe.

sugar	3	6		18	
milk	2		8		20

2. Mark's ratio is 3 tablespoons sugar to 2 tablespoons milk. Sharri is using 4 tablespoons of sugar to 3 tablespoons of milk. Eve is using 9 tablespoons of sugar to 6 tablespoons of milk. Which girl's ratio is equivalent to Mark's? _____
3. A school cafeteria makes cheese sauce for macaroni using 15 cups of Swiss cheese and 17 cups of cheddar cheese. Perry tries to make the sauce for a family party using 5 cups of Swiss and 7 cups of cheddar. Is Perry using the correct ratio? Explain. _____

4. The chess club members bought 6 tickets to a tournament for \$15. How much would they have paid if all 9 members wanted to go?

5. The Khan's car averages 22 miles per gallon of gas. Predict how far they can travel on 5 gallons of gas. _____

6. Cafe A offers 2 free bottled waters or juices for every 20 purchased. Cafe B offers 3 free bottled waters or juices for every 25 purchased.

a. What is Cafe A's ratio of free drinks to purchased drinks?

b. What is Cafe B's ratio of free drinks to purchased drinks?

c. If you purchased 50 drinks at each café, how many free drinks would you get?
