Name _____ Date _____ Class_____

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?

      _____