Lesson 4 Homework Practice

Ratio Tables

For Exercises 1–3, use the ratio tables given to solve each problem.

1. CAMPING To disinfect 1 quart of stream water to make it drinkable, you need to add 2 tablets of iodine. How many tablets do you need to disinfect 4 quarts?

Number of Tablets	2			■
Number of Quarts	1			4

2. BOOKS A book store bought 160 copies of a book from the publisher for $4,000. If the store gives away 2 books, how much money will it lose?

Cost in Dollars	4,000		■
Number of Copies	160		2

3. BIRDS An ostrich can run at a rate of 50 miles in 60 minutes. At this rate, how long would it take an ostrich to run 15 miles?

Distance Run (mi)	50		15
Time (min)	60		■

4. SALARY Luz earns $400 for 40 hours of work. Use a ratio table to determine how much she earns for 6 hours of work.

5. DISTANCE If 10 miles is about 16 kilometers and the distance between two towns is 45 miles, use a ratio table to find the distance between the towns in kilometers. Explain your reasoning.

RECIPES For Exercises 6–8, use the following information.

A soup that serves 16 people calls for 2 cans of chopped clams, 4 cups of chicken broth, 6 cups of milk, and 4 cups of cubed potatoes.

6. Create a ratio table to represent this situation.

7. How much of each ingredient would you need to make an identical recipe that serves 8 people? 32 people?

8. How much of each ingredient would you need to make an identical recipe that serves 24 people? Explain your reasoning.