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.

   | Cost in Dollars  | 4,000 | □
   | Number of Copies | 160 | 2 |

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.