3. Franky's Trail Mix Factory gives customers the following information. Use the pattern in the table to answer the questions.

**Caloric Content of
Franky's Trail Mix**

Grams of Trail Mix	Calories
50	150
150	450
300	900
500	1,500

a. Fiona eats 75 grams of trail mix. How many Calories does she eat?

b. Rico eats trail mix containing 1,000 Calories. How many grams of trail mix does he eat?

c. Write an equation that you can use to find the number of Calories in any number of grams of trail mix.

d. Write an equation that you can use to find the number of grams of trail mix that will provide any given number of Calories.

9. The dairy store says it takes 50 pounds of milk to make 5 pounds of cheddar cheese.

a. Make a rate table showing the amount of milk needed to make 5, 10, 15, 20, . . . , and 50 pounds of cheddar cheese.

b. Make a coordinate graph showing the relationship between pounds of milk and pounds of cheddar cheese. First, decide which variable should go on each axis.

c. Write an equation relating pounds of milk m to pounds of cheddar cheese c.

d. Explain one advantage of each method (the graph, the table, and the equation) to express the relationship between milk and cheddar cheese production.

Express each of the relationships in Exercises 27–31 as a unit rate. Label each unit rate with measurement units.

27. 12 cents for 20 beads

28. 8 cents for 10 nails

29. 405 miles on 15 gallons of gasoline

30. 3 cups of water for 2 cups of orange concentrate

31. $4 for 5 cans of soup

Connections

ONE-CENTIMETER GRAPH PAPER

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