

Name: \_\_\_\_\_

# 5-5 Additional Practice

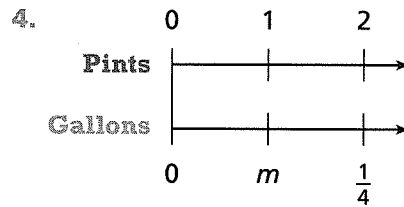
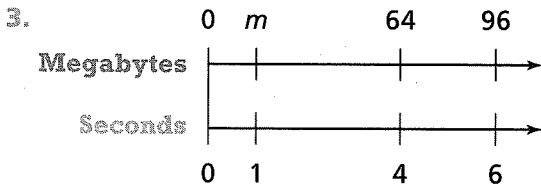


In 1 and 2, write each statement as a rate.

1. Jon buys 3 shirts for \$20.

2. Brenda records 76 songs on 4 albums.

In 3 and 4, find the value of  $m$ .



In 5–8, find the unit rate.

5.  $\frac{121 \text{ meals}}{11 \text{ days}}$

6.  $\frac{50 \text{ min}}{20 \text{ calls}}$

7.  $\frac{91 \text{ books}}{7 \text{ weeks}}$

8.  $\frac{1,275 \text{ ants}}{5 \text{ anthills}}$

In 9 and 10, complete each table.

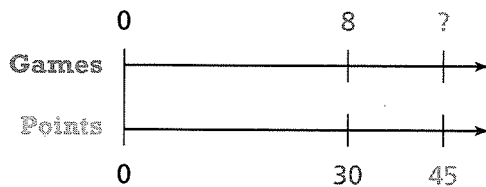
9.

Stamps	380	<input type="text"/>	<input type="text"/>	<input type="text"/>
Books	19	1	7	12

10.

Peaches	7	<input type="text"/>	<input type="text"/>	<input type="text"/>
Pears	2	1	5	9

11. It took Perla 8 games to score 30 points. At that rate, how many games will it take her to score 45 points?



12. A shark can chase prey at about 30 miles per hour. What is this rate in miles per minute?

In 13–15, use the table.

13. Mr. Ernest wants to know how many miles he can travel with his motorcycle for each gallon of gas. What is the unit rate in miles per gallon?

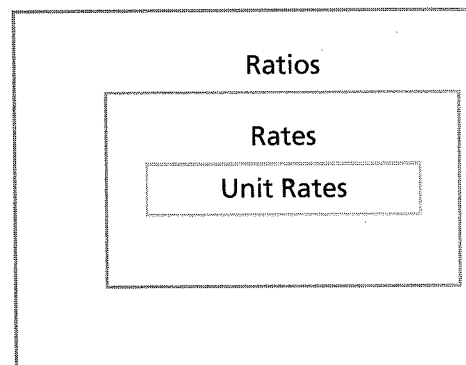
**Distance Driven Using  
10 Gallons of Gasoline**

Vehicle	Miles
Car	285
Van	140
Motorcycle	640

14. **Reasoning** Ms. Ellis used 25 gallons of gas delivering flowers in her delivery van. How many miles did she drive making the deliveries? Explain.

15. **Construct Arguments** A car has a gas tank that holds 18 gallons of gasoline. If someone use this car to make a 500-mile trip on one tank of gasoline? Explain.

16. **Higher Order Thinking** This Venn diagram shows the relationship of ratios to rates to unit rates. Describe a real-world situation involving a ratio relationship. Then write the ratio as 2 different equivalent rates and as a unit rate.



## Assessment Practice

17. A potter mixes 5 pounds of pottery plaster with 2 quarts of water. Select all the statements that are true.

- $\frac{2.5 \text{ lb plaster}}{1 \text{ qt water}}$  is a unit rate for the mix.
- $\frac{0.5 \text{ qt water}}{1 \text{ lb plaster}}$  is a unit rate for the mix.
- Using the same rate, the potter mixes 7.5 pounds of plaster with 3 quarts of water.
- Using the same rate, the potter mixes 4 pounds of plaster with 7 quarts of water.
- Using the same rate, the potter mixes 10 pounds of plaster with 4 quarts of water.

