

1. Find the greatest common factor of 13 and 39.

1. \_\_\_\_\_

2. Find the least common multiple of 3 and 21.

2. \_\_\_\_\_

For Exercises 3 and 4, write each ratio as a fraction in simplest form. Then explain its meaning.

3.



cats to dogs

3. \_\_\_\_\_

4. There are 16 girls and 20 boys in the school band. What is the ratio of girls to boys?

4. \_\_\_\_\_

Write each rate as a unit rate.

5. \$8 for 2 pounds of rice

5. \_\_\_\_\_

6. 240 miles in 6 hours

6. \_\_\_\_\_

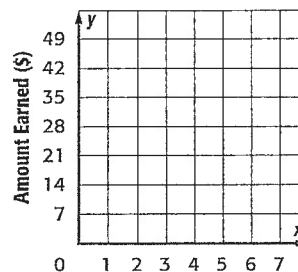
7. Chin bought 12 pounds of apples for \$6. Use the ratio table to find the cost of buying 3 pounds of apples.

7. \_\_\_\_\_

<b>Pounds of Apples</b>	12		3
<b>Price of Apples</b>	\$6		

8. **MONEY** The table shows the amount of money Dawson earned for watching his neighbor's cat. Graph the ordered pairs (number of days, amount earned). Then describe the pattern in the graph.

<b>Amount Earned (\$)</b>	0	7	14	21
<b>Number Of Days</b>	0	1	2	3



8. \_\_\_\_\_

9. Markus receives dollar bills from his grandfather for one week. On the first day he received \$1; on the second day he received \$2, on third day he received \$4, and on the fourth day he received \$8. If this continues, how much money will Markus have by the end of the week?

9. \_\_\_\_\_

**Extended-Response Test**

Demonstrate your knowledge by giving a clear, concise solution to each problem. Be sure to include all relevant drawings and justify your answers. You may show your solution in more than one way or investigate beyond the requirements of the problem. If necessary, record your answer on another piece of paper.

1.
  - a. Tell in your own words the meaning of *ratio*.
  - b. Give an example of a ratio. Write the ratio in four ways.
  - c. Tell in your own words the meanings of *rate* and *unit rate*. Give an example of a unit rate and an example of a rate that is not a unit rate.
  - d. Tell in your own words the meaning of *equivalent ratios*.
  - e. Write a word problem that you can solve by using equivalent ratios.
  - f. Solve the word problem in part e. Explain each step.
  
2. **FINANCIAL LITERACY** The U.S. dollar can be exchanged for other types of currency in the world. The exchange rate is always changing. Suppose 1 euro is equivalent to \$2.

<b>Euro</b>	1	2	5	10
<b>U.S. Dollar (\$)</b>	2			

- a. Describe what is meant by the numbers in the first column of the table.
- b. How much will 2 euros cost in U.S. dollars? 5 euros? 10 euros?
- c. How many euros is equivalent to \$30? Tell how you found your answer.
- d. List the information in the table as ordered pairs (euro, U.S. dollar).