

Review

NAME: _____

DATE: _____

The following are proportional. Fill in the blank for each unit rate.

1. Teri pays 4 dollars for 2 gallons of milk.

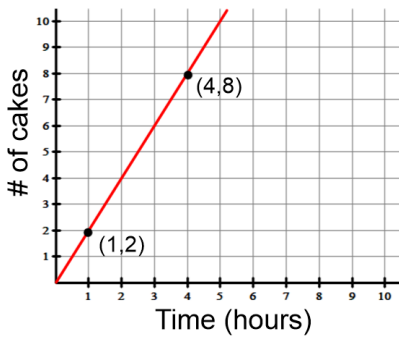
Teri pays _____ dollars for every gallon.

- 2.

| | | | |
|------------------------------|------|----|-------|
| Lemonade (ounces) | 8 | 10 | 24 |
| Price (dollars) | 4.80 | 6 | 14.40 |

Lemonade costs _____ dollars for every ounce.

- 3.



The chef
bakes _____ cakes
every hour.

4. The equation represents how much money the math club makes from selling sweatshirts where n is the number of sweatshirts and m is money.

$$m = 18n$$

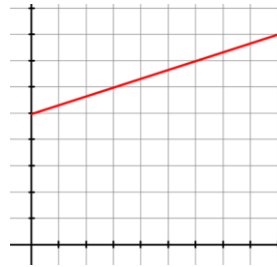
The math club makes _____ dollars for every
sweatshirt sold.

Determine if the following are proportional. Explain why or why not!

- 5.

| x | y |
|-----|-----|
| 5 | 4 |
| 15 | 12 |
| 12 | 9 |
| 20 | 16 |

- 6.



Fill in the tables below.

7. Baby gains 2 pounds per month.

| Time (months) | Weight (pounds) |
|------------------|--------------------|
| 1 | |
| 2 | |
| 3 | |
| 10 | |

8. Equation: $m = 8t$

| Time (hours) | Money (dollars) |
|-----------------|--------------------|
| 1 | |
| 2 | |
| 3 | |
| | 48 |

9. y is proportional to x

| x | y |
|-----|-----|
| | 40 |
| 4 | 32 |
| 10 | |
| 7 | 56 |

Use the graph to answer the questions.

10. Mr. Kelly gives his favorite kid an allowance. The graph shows how much his favorite kid earns over time.

a. Find the constant of proportionality. $k = \underline{\hspace{2cm}}$

b. Use a sentence to explain what the constant of proportionality means in this situation.

c. Write an equation to represent the relationship between the amount of time and money earned.

d. Explain what the point $(4, 30)$ means in this situation.

e. Explain what the point $(0, 0)$ means in this situation.

f. Fill in the blank so that the point is on the graph. $(1, \underline{\hspace{1cm}})$
Explain what this point means in this situation.

g. How much money would his favorite kid earn in 12 weeks?

h. How long will it take his favorite kid to earn 150 dollars?

