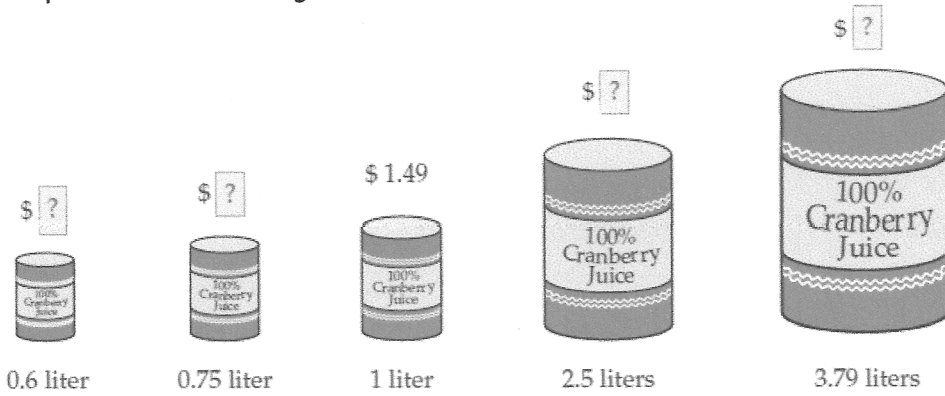


Name _____ Date _____

Lesson 6: Apply

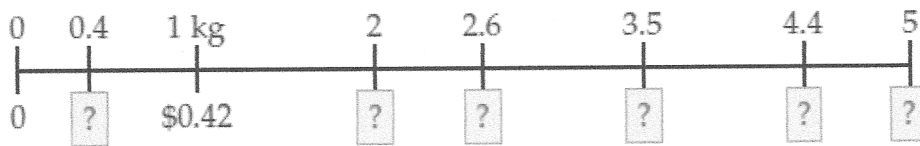
1. The rate of the cost of a can to its volume is the same for each of the cans below. The price of one can is given.



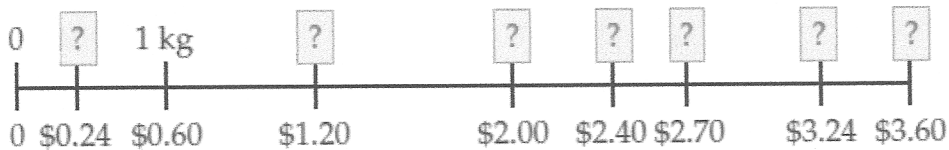
- a. What is the unit price per liter?
- b. What is the constant of proportionality in this situation?
- c. Use a rate table and a calculator to find the price of each can. Round to the nearest cent.

2. Prices and weights of peas, corn and peaches are shown on a double number line.

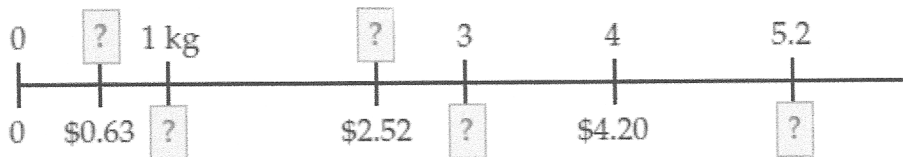
Peas



Corn



Peaches






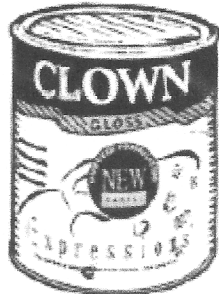


- Fill in the missing prices and weights.
- Use the unit rate to determine how much it would cost to buy 7.5 lb of peaches.
- Write the unit price of peaches (in dollars per pound).
- What is the quantity of peaches you can buy for one dollar?
- What is the constant of proportionality between price and the quantity of the peaches you can buy?
- What is the constant of proportionality between the quantity of the peaches you can buy and the price?

Name _____ Date _____

Lesson 6 Homework

1. Calculate the prices of the paint cans. The prices are proportional to the amount of paint in the can.

.....	\$15	\$76.50
					
0.6 liters	0.75 liters	1 liter	2.5 liters	4.54 liters

2. Julianna participated in a walk - a thon to raise money for cancer research. She recorded the distance she walked at several different points in time.

Times in hrs	Miles walked
1	
2	6.4
	8
5	

- a. Assume Julianna walked at a constant speed. Complete the table.
- b. What was Julianna's walking rate in miles per hour? How long did it take Julianna to walk one mile?

c. What is the constant of proportionality between miles walked and hours it took?

d. Next year Julianna is planning to walk for seven hours. If she walks at the same speed next year, how many miles will she walk?

3. The sign above shows the cost of orange juice at a neighborhood store. If the cost of the 6 and 16 ounce cups are in proportion with the 8 ounce cup, what is the cost of the 6 ounce cup and what is the cost of the 16 ounce cup?

Orange Juice	
6 ounce cup	
8 ounce cup	\$1.40
16 ounce cup	