

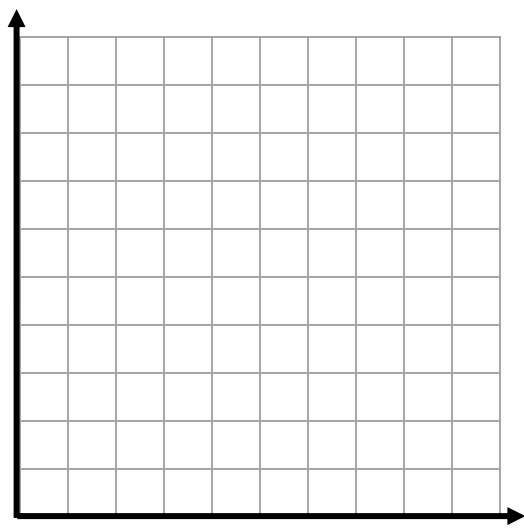
QUIZ 7-3B

1. The table below gives costs and quantities for purchasing slices of pizza.

a. The table below shows the cost for various quantities of pizza, including delivery.

Number of slices (x)	cost in \$ (y)	$\frac{\text{cost } (\$)}{\text{slice}}$
1	3.50	
2	7	
4	14	
8	28	
16	56	

b. Graph the relationship between number of slices of pizza and cost. Be sure to label and scale axes appropriately.



c. At what ordered pair does the graph crosses the y-axis? What does this point represent?

d. Write an equation to represent the cost of different numbers of slices.

e. Does the pricing above represent a proportional relationship? Explain using evidence from the table, the graph and the equation.

QUIZ 7-3B

Continued

2. Gianna mixes yellow and blue paint to make her perfect shade of green. She uses 4 quarts of yellow for every $2\frac{1}{2}$ quarts of blue.

a. Complete the table below for different size mixtures of green paint.

Quarts of yellow		6	1		x
Quarts of blue	1				
Total quarts of green paint				13	

b. Name a unit rate in the table above and explain what it represents in the context of the problem.

c. According to an online calculator, Gianna will need at least 6 quarts of paint for her size room. About how many quarts she should buy of each color?

3. Find the missing values.

<p>a. $\frac{4}{5} = \frac{x}{15}$</p>	<p>b. $\frac{x}{20} = \frac{5}{12}$</p>
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4. A container with $2\frac{1}{4}$ gallons of weed killer can spray 6 lawns. How many gallons would it take to spray one lawn?