

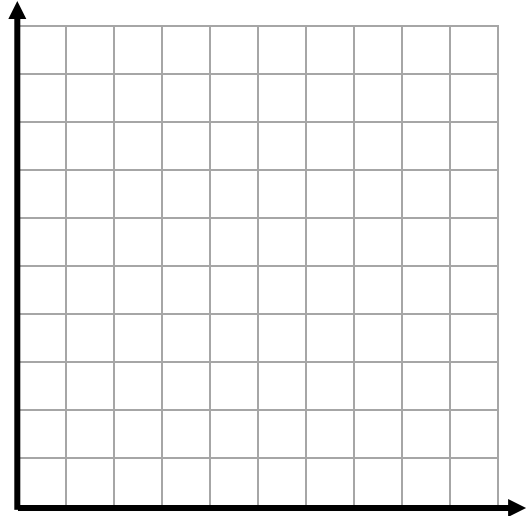
7-3 QUIZ B

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.

Number of slices (<i>x</i>)	cost in \$ (<i>y</i>)	$\frac{\text{cost } (\$)}{\text{slice}}$
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.

7-3 QUIZ B

Continued

2. Gianna mixes yellow and blue paint to make her favorite 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 this 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?