**7-3 QUIZ B**

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

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| 1. The table below shows the cost for various quantities of pizza.

|  |  |  |
| --- | --- | --- |
| **Number of slices****(*x*)** | **cost****in $****(*y*)** |  |
| 1 | 3.50 |  |
| 2 | 7 |  |
| 4 | 14 |  |
| 8 | 28 |  |
| 16 | 56 |  |

 | 1. Graph the relationship between number of slices of pizza and cost. Be sure to label and scale axes appropriately.

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| 1. At what ordered pair does the graph crosses the *y*-axis? What does this point represent?
2. Write an equation to represent the cost of different numbers of slices.
3. Does the pricing above represent a proportional relationship? Explain using evidence from the table, the graph and the equation.
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**7-3 QUIZ B**

**Continued**

1. Gianna mixes yellow and blue paint to make her favorite shade of green. She uses 4 quarts of yellow for every 2 quarts of blue.
2. 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 |  |

1. Name a unit rate in the table above and explain what it represents in the context of the problem.
2. 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.

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1. A container with 2 gallons of weed killer can spray 6 lawns. How many gallons would it take to spray one lawn?