**7-3 QUIZ B**

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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.  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |
| 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. | |

**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.

|  |  |
| --- | --- |
|  |  |

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