

**Solve each problem.****Answers**

- 1) You can buy 9 pieces of chicken for \$26.73. Write an equation that can be used to express the relationship between the total price( $t$ ) and the pieces of chicken( $c$ ) you buy.
- 2) A school fundraiser sold 20 candy bars and earned 40.80 dollars total. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and each candy bar sold( $b$ ).
- 3) A chef bought 99 bags of oranges at the supermarket and it cost her \$199.98. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the number of bags of oranges( $b$ ) purchased.
- 4) At a carnival it costs \$51.80 for 37 tickets. Write an equation that can be used to express the relationship between the total cost ( $t$ ) and the number of tickets( $n$ ) you buy.
- 5) A candy company made \$5.50 for every 2 boxes of candy they sold. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and the boxes of candy they sold( $b$ ).
- 6) Using 2 boxes of nails a carpenter was able to finish 8.00 bird houses. Write an equation that can be used to express the relationship between the total number of birdhouses completed( $t$ ) and the boxes of nails( $b$ ) used.
- 7) Using a water hose for 98 minutes used up 274.40 total gallons of water. Write an equation that can be used to express the relationship between the total gallons used ( $t$ ) and the minutes( $m$ ) used.
- 8) A company used 200.00 lemons to make 40 bottles of lemonade. Write an equation that can be used to express the relationship between the total number of lemons needed ( $t$ ) for each bottle of lemonade ( $b$ ).
- 9) In a game defeating 17 enemies earns you 2,550.00 total points. Write an equation that can be used to express the relationship between the total points earned ( $t$ ) and the number of enemies( $e$ ) you defeat.
- 10) A school had to buy 5 new science books and it ended up costing \$419.90 total. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the number of books( $b$ ) purchased.

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**Answers**

1.  $t = c2.97$
2.  $t = b2.04$
3.  $t = b2.02$
4.  $t = n1.40$
5.  $t = b2.75$
6.  $t = b4.00$
7.  $t = m2.80$
8.  $t = b5.00$
9.  $t = e150.00$
10.  $t = b83.98$