

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

- 1) A company used 335.00 lemons to make 67 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 ( $b$ ).
- 2) Using 64 boxes of nails a carpenter was able to finish 320.00 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.
- 3) Faye traveled 130.41 kilometers in 69 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled( $t$ ) and the minutes( $m$ ) it took.
- 4) You can buy 22 pieces of chicken for \$65.78. Write an equation that can be used to express the relationship between the total price( $t$ ) and the pieces of chicken( $c$ ) you buy.
- 5) At a carnival it costs \$328.52 for 86 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.
- 6) A school had to buy 44 new science books and it ended up costing \$833.36 total. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the number of books( $b$ ) purchased.
- 7) It cost \$1,232.15 for 95 pounds of beef jerky. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the pounds of beef jerky( $p$ ) purchased.
- 8) A candy company made \$101.32 for every 34 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( $b$ ).
- 9) In a game defeating 73 enemies earns you 10,950.00 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) The combined weight of 19 concrete blocks is 289.56 kilograms. Write an equation that can be used to express the relationship between the total weight( $t$ ) and the number of concrete blocks( $b$ ) you have.

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**Answers**

1.  **$t = b5.00$**
2.  **$t = b5.00$**
3.  **$t = m1.89$**
4.  **$t = c2.99$**
5.  **$t = n3.82$**
6.  **$t = b18.94$**
7.  **$t = p12.97$**
8.  **$t = b2.98$**
9.  **$t = e150.00$**
10.  **$t = b15.24$**