

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

- 1) The combined weight of 28 concrete blocks is 433.44 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.
- 2) A phone store earned \$16.65 after they sold 5 phone cases. Write an equation that can be used to express the relationship between the total money earned ( $t$ ) and the number of cases( $c$ ) sold.
- 3) You can buy 3 pieces of chicken for \$7.17. Write an equation that can be used to express the relationship between the total price( $t$ ) and the pieces of chicken( $c$ ) you buy.
- 4) A company used 396.00 lemons to make 44 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 ( $b$ ).
- 5) A chef bought 90 bags of oranges at the supermarket and it cost her \$215.10. 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.
- 6) Nancy traveled 1.32 kilometers in 6 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled( $t$ ) and the minutes( $m$ ) it took.
- 7) In a game defeating 5 enemies earns you 2,000.00 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.
- 8) Using a water hose for 70 minutes used up 249.20 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.
- 9) A school fundraiser sold 5 candy bars and earned 13.00 dollars total. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and each candy bar sold( $b$ ).
- 10) At a carnival it costs \$76.32 for 48 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.

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**Answers**

1.  **$t = b15.48$**

2.  **$t = c3.33$**

3.  **$t = c2.39$**

4.  **$t = b9.00$**

5.  **$t = b2.39$**

6.  **$t = m0.22$**

7.  **$t = e400.00$**

8.  **$t = m3.56$**

9.  **$t = b2.60$**

10.  **$t = n1.59$**