

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

- 1) The combined weight of 3 concrete blocks is 32.79 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) Using a water hose for 72 minutes used up 205.20 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.
- 3) It cost \$528.30 for 45 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.
- 4) A phone store earned \$241.40 after they sold 85 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.
- 5) At a carnival it costs \$207.46 for 82 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) In a game defeating 16 enemies earns you 3,200.00 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.
- 7) Olivia traveled 71.38 kilometers in 43 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled( $t$ ) and the minutes( $m$ ) it took.
- 8) A candy company made \$90.54 for every 18 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) Using 9 boxes of nails a carpenter was able to finish 18.00 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.
- 10) You can buy 9 pieces of chicken for \$12.42. Write an equation that can be used to express the relationship between the total price( $t$ ) and the pieces of chicken( $c$ ) you buy.

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**Answers**

1.  **$t = b10.93$**
2.  **$t = m2.85$**
3.  **$t = p11.74$**
4.  **$t = c2.84$**
5.  **$t = n2.53$**
6.  **$t = e200.00$**
7.  **$t = m1.66$**
8.  **$t = b5.03$**
9.  **$t = b2.00$**
10.  **$t = c1.38$**