

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

- 1) In a game defeating 44 enemies earns you 4,400.00 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.
- 2) A school had to buy 62 new science books and it ended up costing \$2,049.10 total. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the number of books( $b$ ) purchased.
- 3) The combined weight of 8 concrete blocks is 119.04 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.
- 4) A chef bought 97 bags of oranges at the supermarket and it cost her \$121.25. 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.
- 5) You can buy 5 pieces of chicken for \$13.80. Write an equation that can be used to express the relationship between the total price( $t$ ) and the pieces of chicken( $c$ ) you buy.
- 6) A phone store earned \$436.48 after they sold 88 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.
- 7) Haley traveled 40.00 kilometers in 25 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 school fundraiser sold 29 candy bars and earned 39.73 dollars total. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and each candy bar sold( $b$ ).
- 9) It cost \$93.80 for 5 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.
- 10) Using a water hose for 82 minutes used up 164.82 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.

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**Answers**

1.  $t = e100.00$

2.  $t = b33.05$

3.  $t = b14.88$

4.  $t = b1.25$

5.  $t = c2.76$

6.  $t = c4.96$

7.  $t = m1.60$

8.  $t = b1.37$

9.  $t = p18.76$

10.  $t = m2.01$