

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

- 1) A chef bought 40 bags of oranges at the supermarket and it cost her \$63.60. 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.
- 2) A candy company made \$94.30 for every 23 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( $b$ ).
- 3) A school fundraiser sold 87 candy bars and earned 241.86 dollars total. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and each candy bar sold( $b$ ).
- 4) Using a water hose for 45 minutes used up 126.90 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.
- 5) A company used 310.00 lemons to make 31 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 ( $b$ ).
- 6) It cost \$1,044.14 for 37 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.
- 7) A phone store earned \$157.41 after they sold 53 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.
- 8) The combined weight of 2 concrete blocks is 16.14 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.
- 9) A school had to buy 31 new science books and it ended up costing \$2,087.23 total. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the number of books( $b$ ) purchased.
- 10) Tiffany traveled 61.20 kilometers in 45 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled( $t$ ) and the minutes( $m$ ) it took.

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**Answers**

1.  $t = b1.59$
2.  $t = b4.10$
3.  $t = b2.78$
4.  $t = m2.82$
5.  $t = b10.00$
6.  $t = p28.22$
7.  $t = c2.97$
8.  $t = b8.07$
9.  $t = b67.33$
10.  $t = m1.36$