

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

- 1) A chef bought 8 bags of oranges at the supermarket and it cost her \$14.96. 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) Janet traveled 34.40 kilometers in 20 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled( $t$ ) and the minutes( $m$ ) it took.
- 3) A phone store earned \$246.40 after they sold 55 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.
- 4) A candy company made \$190.39 for every 79 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( $b$ ).
- 5) It cost \$874.28 for 44 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.
- 6) A school had to buy 33 new science books and it ended up costing \$1,811.37 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) In a game defeating 31 enemies earns you 4,650.00 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) A company used 711.00 lemons to make 79 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 ( $b$ ).
- 9) At a carnival it costs \$118.03 for 37 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.
- 10) Using 19 boxes of nails a carpenter was able to finish 114.00 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.

1.	_____
2.	_____
3.	_____
4.	_____
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6.	_____
7.	_____
8.	_____
9.	_____
10.	_____



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**Answers**

1.  $t = b1.87$
2.  $t = m1.72$
3.  $t = c4.48$
4.  $t = b2.41$
5.  $t = p19.87$
6.  $t = b54.89$
7.  $t = e150.00$
8.  $t = b9.00$
9.  $t = n3.19$
10.  $t = b6.00$