

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

- 1) At a carnival it costs \$123.97 for 49 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.
- 2) Using 37 boxes of nails a carpenter was able to finish 111 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.
- 3) The combined weight of 5 concrete blocks is 77.80 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 30 bags of oranges at the supermarket and it cost her \$49.80. 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) It cost \$250.80 for 11 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) Vanessa traveled 117.76 kilometers in 92 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) A school had to buy 10 new science books and it ended up costing \$211.90 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.
- 8) A company used 132 lemons to make 22 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) A phone store earned \$432.25 after they sold 95 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.
- 10) A school fundraiser sold 89 candy bars and earned 184.23 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).

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**Answers**

1.  $t = n2.53$

2.  $t = b3$

3.  $t = b15.56$

4.  $t = b1.66$

5.  $t = p22.80$

6.  $t = m1.28$

7.  $t = b21.19$

8.  $t = b6$

9.  $t = c4.55$

10.  $t = b2.07$



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