

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

- 1) Using 58 boxes of nails a carpenter was able to finish 290 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.
- 2) A chef bought 6 bags of oranges at the supermarket and it cost her \$15.18. 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.
- 3) It cost \$213.50 for 25 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 school had to buy 38 new science books and it ended up costing \$1,858.20 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.
- 5) A company used 486 lemons to make 54 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) You can buy 9 pieces of chicken for \$16.65. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.
- 7) The combined weight of 15 concrete blocks is 148.35 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.
- 8) Nancy traveled 18.70 kilometers in 22 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.
- 9) A phone store earned \$331.58 after they sold 59 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) At a carnival it costs \$176.18 for 46 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.

1. _____
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10. _____

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Answers

1. **$t = b5$**
2. **$t = b2.53$**
3. **$t = p8.54$**
4. **$t = b48.90$**
5. **$t = b9$**
6. **$t = c1.85$**
7. **$t = b9.89$**
8. **$t = m0.85$**
9. **$t = c5.62$**
10. **$t = n3.83$**