

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

- 1) Using 48 boxes of nails a carpenter was able to finish 192 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 94 bags of oranges at the supermarket and it cost her \$206.80. 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.
- 3) It cost \$83.46 for 6 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 37 new science books and it ended up costing \$2,430.16 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 930 lemons to make 93 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 22 pieces of chicken for \$32.78. 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 10 concrete blocks is 132.40 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) GVAR traveled 15.84 kilometers in 33 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 \$158.72 after they sold 62 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 \$15.72 for 6 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.

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10. _____

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Answers

1. **$t = b4$**
2. **$t = b2.20$**
3. **$t = p13.91$**
4. **$t = b65.68$**
5. **$t = b10$**
6. **$t = c1.49$**
7. **$t = b13.24$**
8. **$t = m0.48$**
9. **$t = c2.56$**
10. **$t = n2.62$**