**Solve each problem.**

**1)** Using 3 boxes of nails a carpenter was able to finish 18 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 43 bags of oranges at the supermarket and it cost her $88.15. 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 $1,068.48 for 53 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 65 new science books and it ended up costing $1,287.65 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 355 lemons to make 71 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 $59.18. 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 5 concrete blocks is 31.20 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 128.70 kilometers in 99 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 $166.05 after they sold 81 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 $101.50 for 58 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.

**Answers**

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



| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

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**Answers**

1. **t = b6**
2. **t = b2.05**
3. **t = p20.16**
4. **t = b19.81**
5. **t = b5**
6. **t = c2.69**
7. **t = b6.24**
8. **t = m1.30**
9. **t = c2.05**
10. **t = n1.75**



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|---|---|---|---|---|---|---|---|---|---|---|