Solve each problem.

1) Using 34 boxes of nails a carpenter was able to finish 68 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 54 bags of oranges at the supermarket and it cost her $146.34. 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 $1,606.20 for 60 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 44 new science books and it ended up costing $1,674.20 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 860 lemons to make 86 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 4 pieces of chicken for $7.36. 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 4 concrete blocks is 56.16 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) Tiffany traveled 68.00 kilometers in 50 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 $189.60 after they sold 79 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 $69.30 for 35 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 = b2**
2. **t = b2.71**
3. **t = p26.77**
4. **t = b38.05**
5. **t = b10**
6. **t = c1.84**
7. **t = b14.04**
8. **t = m1.36**
9. **t = c2.40**
10. **t = n1.98**

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