Solve each problem.

1) At a carnival it costs $123.76 for 56 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 3 boxes of nails a carpenter was able to finish 12.00 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) It cost $1,194.97 for 43 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 company used 970.00 lemons to make 97 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).

5) A school had to buy 63 new science books and it ended up costing $2,900.52 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.

6) A candy company made $278.10 for every 54 boxes of candy they sold. Write an equation that can be used to express the relationship between the total amount earned(t) and the boxes of candy they sold(b).

7) A phone store earned $111.10 after they sold 22 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.

8) The combined weight of 25 concrete blocks is 346.75 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.

9) You can buy 14 pieces of chicken for $31.50. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.

10) A chef bought 56 bags of oranges at the supermarket and it cost her $155.12. 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.

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 = n2.21**
2. **t = b4.00**
3. **t = p27.79**
4. **t = b10.00**
5. **t = b46.04**
6. **t = b5.15**
7. **t = c5.05**
8. **t = b13.87**
9. **t = c2.25**
10. **t = b2.77**

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