Solve each problem.

1) Using a water hose for 80 minutes used up 107.20 total gallons of water. Write an equation that can be used to express the relationship between the total gallons used (t) and the minutes(m) used.

2) A school had to buy 15 new science books and it ended up costing $1,235.25 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.

3) You can buy 21 pieces of chicken for $41.37. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.

4) Carol traveled 3.60 kilometers in 9 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

5) A phone store earned $225.15 after they sold 95 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.

6) It cost $1,851.55 for 95 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.

7) Using 99 boxes of nails a carpenter was able to finish 693.00 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.

8) The combined weight of 7 concrete blocks is 50.96 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) In a game defeating 53 enemies earns you 13,250.00 total points. Write an equation that can be used to express the relationship between the total points earned (t) and the number of enemies(e) you defeat.

10) A company used 420.00 lemons to make 60 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).

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 = m1.34**
2. **t = b82.35**
3. **t = c1.97**
4. **t = m0.40**
5. **t = c2.37**
6. **t = p19.49**
7. **t = b7.00**
8. **t = b7.28**
9. **t = e250.00**
10. **t = b7.00**

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