Solve each problem.

1) In a game defeating 80 enemies earns you 32,000.00 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.

2) Using 66 boxes of nails a carpenter was able to finish 330.00 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) A candy company made $169.56 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).

4) You can buy 11 pieces of chicken for $30.69. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.

5) A company used 155.00 lemons to make 31 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) Using a water hose for 75 minutes used up 215.25 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.

7) At a carnival it costs $26.22 for 23 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.

8) A phone store earned $83.20 after they sold 40 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.

9) A school had to buy 50 new science books and it ended up costing $1,662.00 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.

10) It cost $578.40 for 80 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.

Answers

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

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

Expressing Equations Name: **Answer Key**

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Answers

1. **t = e400.00**
2. **t = b5.00**
3. **t = b3.14**
4. **t = c2.79**
5. **t = b5.00**
6. **t = m2.87**
7. **t = n1.14**
8. **t = c2.08**
9. **t = b33.24**
10. **t = p7.23**

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