Expressing Equations

Name:

Solve each problem.

1) It cost $572.73 for 51 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.

2) A school fundraiser sold 15 candy bars and earned 40.65 dollars total. Write an equation that can be used to express the relationship between the total amount earned(t) and each candy bar sold(b).

3) The combined weight of 29 concrete blocks is 187.34 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.

4) In a game defeating 37 enemies earns you 3,700 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.

5) Using a water hose for 99 minutes used up 174.24 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.

6) A chef bought 75 bags of oranges at the supermarket and it cost her $116.25. 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.

7) A company used 215 lemons to make 43 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).

8) At a carnival it costs $108.90 for 45 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.

9) Using 30 boxes of nails a carpenter was able to finish 210 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.

10) You can buy 21 pieces of chicken for $39.06. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) 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

Expressing Equations Name: **Answer Key**

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Answers

1. t = p11.23
2. t = b2.71
3. t = b6.46
4. t = e100
5. t = m1.76
6. t = b1.55
7. t = b5
8. t = n2.42
9. t = b7
10. t = c1.86

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