Solve each problem.

1) Using 25 boxes of nails a carpenter was able to finish 100.00 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.

1. _____

2. _____

2) At a carnival it costs $206.46 for 74 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.

3. _____

4. _____

3) A school fundraiser sold 73 candy bars and earned 89.06 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).

5. _____

6. _____

4) A company used 485.00 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).

7. _____

8. _____

5) Carol traveled 18.48 kilometers in 56 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. _____

10. _____

6) The combined weight of 20 concrete blocks is 139.80 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.

7) In a game defeating 49 enemies earns you 22,050.00 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.

8) A candy company made $369.36 for every 81 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).

9) A phone store earned $204.60 after they sold 55 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) Using a water hose for 41 minutes used up 76.67 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.

Answer Key

Solve each problem.

Answers

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1. $t = b4.00$

2. $t = n2.79$

3. $t = b1.22$

4. $t = b5.00$

5. $t = m0.33$

6. $t = b6.99$

7. $t = e450.00$

8. $t = b4.56$

9. $t = c3.72$

10. $t = m1.87$

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