Expressing Equations

Name:

Solve each problem.

1) The combined weight of 28 concrete blocks is 263.48 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.

2) A candy company made $76.86 for every 18 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).

3) At a carnival it costs $80.01 for 63 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.

4) A chef bought 53 bags of oranges at the supermarket and it cost her $85.33. 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.

5) In a game defeating 67 enemies earns you 13,400.00 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.

6) Gwen traveled 56.64 kilometers in 96 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

7) A phone store earned $270.24 after they sold 48 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) A school had to buy 93 new science books and it ended up costing $2,862.54 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.

9) Using 9 boxes of nails a carpenter was able to finish 45.00 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.

10) A company used 475.00 lemons to make 95 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

Expressing Equations Name: **Answer Key**

Solve each problem.

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Answers

1. **t = b9.41**
2. **t = b4.27**
3. **t = n1.27**
4. **t = b1.61**
5. **t = e200.00**
6. **t = m0.59**
7. **t = c5.63**
8. **t = b30.78**
9. **t = b5.00**
10. **t = b5.00**

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