Expressing Equations Name:

Solve each problem.

1) A school fundraiser sold 78 candy bars and earned 298.74 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).

2) A chef bought 15 bags of oranges at the supermarket and it cost her $27.90. 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.

3) The combined weight of 2 concrete blocks is 20.34 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) You can buy 23 pieces of chicken for $61.41. 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 candy company made $189.20 for every 44 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).

6) A company used 343.00 lemons to make 49 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) A phone store earned $505.52 after they sold 89 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 24 new science books and it ended up costing $1,226.64 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 67 boxes of nails a carpenter was able to finish 134.00 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) At a carnival it costs $159.30 for 54 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.

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 = b3.83**
2. **t = b1.86**
3. **t = b10.17**
4. **t = c2.67**
5. **t = b4.30**
6. **t = b7.00**
7. **t = c5.68**
8. **t = b51.11**
9. **t = b2.00**
10. **t = n2.95**

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