Expressing Equations

Name:

Solve each problem.

1) A chef bought 60 bags of oranges at the supermarket and it cost her $113.40. 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.

2) A school fundraiser sold 46 candy bars and earned 152.72 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) Using 83 boxes of nails a carpenter was able to finish 249 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.

4) You can buy 5 pieces of chicken for $14.00. 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) It cost $843.30 for 30 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.

6) A company used 392 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 $262.35 after they sold 53 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) At a carnival it costs $232.29 for 87 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) The combined weight of 15 concrete blocks is 87.00 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.

10) A school had to buy 90 new science books and it ended up costing $8,084.70 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) 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 = b1.89
2. t = b3.32
3. t = b3
4. t = c2.80
5. t = p28.11
6. t = b8
7. t = c4.95
8. t = n2.67
9. t = b5.80
10. t = b89.83

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