Expressing Equations

Name:

Solve each problem.

1) A company used 228 lemons to make 38 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).

2) It cost $319.93 for 23 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.

3) Debby traveled 66.85 kilometers in 35 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

4) Using 45 boxes of nails a carpenter was able to finish 90 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.

5) A school fundraiser sold 40 candy bars and earned 101.20 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).

6) The combined weight of 10 concrete blocks is 108.60 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) Using a water hose for 20 minutes used up 49.00 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.

8) A candy company made $404.70 for every 95 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 school had to buy 57 new science books and it ended up costing $5,031.39 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.

10) At a carnival it costs $193.59 for 81 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**

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Answers

1. t = b6
2. t = p13.91
3. t = m1.91
4. t = b2
5. t = b2.53
6. t = b10.86
7. t = m2.45
8. t = b4.26
9. t = b88.27
10. t = n2.39

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