Expressing Equations

Name: _____

Solve each problem.

1) Using 44 boxes of nails a carpenter was able to finish 176 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) A chef bought 46 bags of oranges at the supermarket and it cost her $52.90. 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.

2. _____

3. _____

3) It cost $50.86 for 2 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.

4. _____

5. _____

6. _____

4) A school had to buy 82 new science books and it ended up costing $6,428.80 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.

7. _____

8. _____

5) A company used 243 lemons to make 27 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).

9. _____

10. _____

6) You can buy 17 pieces of chicken for $38.25. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.

7) The combined weight of 13 concrete blocks is 121.03 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.

8) GVAR traveled 147.20 kilometers in 80 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) A phone store earned $255.30 after they sold 74 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) At a carnival it costs $158.86 for 94 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.

Solve each problem.

1) Using 44 boxes of nails a carpenter was able to finish 176 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. _____ $t = b4$ _____

2) A chef bought 46 bags of oranges at the supermarket and it cost her $52.90. 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.

2. _____ $t = b1.15$ _____

3. _____ $t = p25.43$ _____

3) It cost $50.86 for 2 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.

4. _____ $t = b78.40$ _____

5. _____ $t = b9$ _____

6. _____ $t = c2.25$ _____

4) A school had to buy 82 new science books and it ended up costing $6,428.80 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.

7. _____ $t = b9.31$ _____

5) A company used 243 lemons to make 27 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).

8. _____ $t = m1.84$ _____

9. _____ $t = c3.45$ _____

10. _____ $t = n1.69$ _____

6) You can buy 17 pieces of chicken for $38.25. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.

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