Expressing Equations

Name:

Solve each problem.

1) Maria traveled 18.40 kilometers in 46 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

2) Using a water hose for 7 minutes used up 27.02 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.

3) It cost $171.16 for 22 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) In a game defeating 99 enemies earns you 19,800 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.

5) At a carnival it costs $82.56 for 43 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.

6) A phone store earned $557.42 after they sold 94 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.

7) You can buy 25 pieces of chicken for $44.75. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.

8) A school had to buy 41 new science books and it ended up costing $1,217.70 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.

9) A chef bought 20 bags of oranges at the supermarket and it cost her $28.60. 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.

10) The combined weight of 21 concrete blocks is 173.88 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.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Math

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1. $t = m0.40$

2. $t = m3.86$

3. $t = p7.78$

4. $t = e200$

5. $t = n1.92$

6. $t = c5.93$

7. $t = c1.79$

8. $t = b29.70$

9. $t = b1.43$

10. $t = b8.28$

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