Expressing Equations

Name:

Solve each problem.

1) The combined weight of 9 concrete blocks is 86.40 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.

2) A phone store earned $236.90 after they sold 46 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.

3) A chef bought 12 bags of oranges at the supermarket and it cost her $14.16. 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.

4) A school fundraiser sold 43 candy bars and earned 155.23 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).

5) In a game defeating 46 enemies earns you 18,400.00 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.

6) Using a water hose for 96 minutes used up 232.32 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.

7) At a carnival it costs $87.50 for 25 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.

8) You can buy 21 pieces of chicken for $37.38. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.

9) Isabel traveled 114.66 kilometers in 98 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

10) Using 42 boxes of nails a carpenter was able to finish 126.00 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.

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Solve each problem.

1) The combined weight of 9 concrete blocks is 86.40 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. $t = b9.60$

2) A phone store earned $236.90 after they sold 46 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.

2. $t = c5.15$

3) A chef bought 12 bags of oranges at the supermarket and it cost her $14.16. 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. $t = b1.18$

4. $t = b3.61$

4) A school fundraiser sold 43 candy bars and earned 155.23 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).

5. $t = e400.00$

6. $t = m2.42$

5) In a game defeating 46 enemies earns you 18,400.00 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.

7. $t = n3.50$

8. $t = c1.78$

6) Using a water hose for 96 minutes used up 232.32 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.

9. $t = m1.17$

10. $t = b3.00$

7) At a carnival it costs $87.50 for 25 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.

8) You can buy 21 pieces of chicken for $37.38. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.

9) Isabel traveled 114.66 kilometers in 98 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

10) Using 42 boxes of nails a carpenter was able to finish 126.00 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.