Expressing Equations

Name:

Solve each problem.

1) In a game defeating 40 enemies earns you 14,000 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.

2) A phone store earned $364.32 after they sold 92 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 18 bags of oranges at the supermarket and it cost her $21.42. 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) It cost $94.92 for 12 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.

5) Maria traveled 142.50 kilometers in 75 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

6) A candy company made $41.25 for every 15 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).

7) A school fundraiser sold 87 candy bars and earned 343.65 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).

8) At a carnival it costs $10.65 for 3 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) A school had to buy 49 new science books and it ended up costing $3,804.85 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) You can buy 11 pieces of chicken for $30.80. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) 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 = e350**
2. **t = c3.96**
3. **t = b1.19**
4. **t = p7.91**
5. **t = m1.90**
6. **t = b2.75**
7. **t = b3.95**
8. **t = n3.55**
9. **t = b77.65**
10. **t = c2.80**

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