Expressing Equations

Name:

Solve each problem.

1) A phone store earned $152.22 after they sold 43 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) A candy company made $219.36 for every 48 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).

3) In a game defeating 15 enemies earns you 750 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.

4) It cost $148.60 for 5 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) Janet traveled 5.46 kilometers in 39 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) Using 25 boxes of nails a carpenter was able to finish 75 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.

7) A company used 544 lemons to make 68 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) The combined weight of 24 concrete blocks is 327.84 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.

9) A chef bought 85 bags of oranges at the supermarket and it cost her $194.65. 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) You can buy 17 pieces of chicken for $29.24. 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**

Solve each problem.

1) A phone store earned $152.22 after they sold 43 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) A candy company made $219.36 for every 48 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).

3) In a game defeating 15 enemies earns you 750 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.

4) It cost $148.60 for 5 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) Janet traveled 5.46 kilometers in 39 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) Using 25 boxes of nails a carpenter was able to finish 75 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.

7) A company used 544 lemons to make 68 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) The combined weight of 24 concrete blocks is 327.84 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.

9) A chef bought 85 bags of oranges at the supermarket and it cost her $194.65. 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) You can buy 17 pieces of chicken for $29.24. 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. t = c3.54
2. t = b4.57
3. t = e50
4. t = p29.72
5. t = m0.14
6. t = b3
7. t = b8
8. t = b13.66
9. t = b2.29
10. t = c1.72

1-10	90	80	70	60	50	40	30	20	10	0

Expressing Equations

Name:

Solve each problem.

1) A phone store earned $152.22 after they sold 43 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) A candy company made $219.36 for every 48 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).

3) In a game defeating 15 enemies earns you 750 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.

4) It cost $148.60 for 5 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) Janet traveled 5.46 kilometers in 39 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) Using 25 boxes of nails a carpenter was able to finish 75 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.

7) A company used 544 lemons to make 68 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).

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____