Expressing Equations

Name: _____

Solve each problem.

1) A candy company made $314.34 for every 93 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).

2) A school had to buy 31 new science books and it ended up costing $600.47 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.

3) Using a water hose for 29 minutes used up 84.10 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.

4) A company used 330 lemons to make 66 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).

5) A chef bought 46 bags of oranges at the supermarket and it cost her $101.66. 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.

6) At a carnival it costs $3.72 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.

7) Using 29 boxes of nails a carpenter was able to finish 58 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.

8) Isabel traveled 44.08 kilometers in 38 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) It cost $1,955.25 for 79 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.

10) A school fundraiser sold 24 candy bars and earned 68.88 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).

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

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Solve each problem.

1) A candy company made $314.34 for every 93 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).

1. **t = b3.38**

2) A school had to buy 31 new science books and it ended up costing $600.47 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.

2. **t = b19.37**

3. **t = m2.90**

3) Using a water hose for 29 minutes used up 84.10 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.

4. **t = b5**

5. **t = b2.21**

4) A company used 330 lemons to make 66 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).

6. **t = n1.24**

7. **t = b2**

5) A chef bought 46 bags of oranges at the supermarket and it cost her $101.66. 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.

8. **t = m1.16**

9. **t = p24.75**

6) At a carnival it costs $3.72 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.

10. **t = b2.87**

7) Using 29 boxes of nails a carpenter was able to finish 58 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.

8) Isabel traveled 44.08 kilometers in 38 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

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