

**Solve each problem.****Answers**

- 1) A company used 266.00 lemons to make 38 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).
- 2) At a carnival it costs \$308.10 for 78 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.
- 3) Using 47 boxes of nails a carpenter was able to finish 376.00 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.
- 4) It cost \$870.48 for 54 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) A candy company made \$35.42 for every 11 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).
- 6) A phone store earned \$195.57 after they sold 41 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) The combined weight of 27 concrete blocks is 422.01 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.
- 8) Robin traveled 139.16 kilometers in 71 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) In a game defeating 51 enemies earns you 15,300.00 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.
- 10) Using a water hose for 20 minutes used up 78.20 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.

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| 1) A company used 266.00 lemons to make 38 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). | 1. $t = b7.00$ |
| 2) At a carnival it costs \$308.10 for 78 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. | 2. $t = n3.95$ |
| 3) Using 47 boxes of nails a carpenter was able to finish 376.00 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. | 3. $t = b8.00$ |
| 4) It cost \$870.48 for 54 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. $t = p16.12$ |
| 5) A candy company made \$35.42 for every 11 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). | 5. $t = b3.22$ |
| 6) A phone store earned \$195.57 after they sold 41 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. | 6. $t = c4.77$ |
| 7) The combined weight of 27 concrete blocks is 422.01 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. | 7. $t = b15.63$ |
| 8) Robin traveled 139.16 kilometers in 71 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took. | 8. $t = m1.96$ |
| 9) In a game defeating 51 enemies earns you 15,300.00 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. | 9. $t = e300.00$ |
| 10) Using a water hose for 20 minutes used up 78.20 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. | 10. $t = m3.91$ |