

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

- 1) Using 3 boxes of nails a carpenter was able to finish 27.00 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.
- 2) Carol traveled 25.65 kilometers in 15 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.
- 3) A phone store earned \$206.10 after they sold 90 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.
- 4) Using a water hose for 87 minutes used up 253.17 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.
- 5) A candy company made \$272.55 for every 79 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) At a carnival it costs \$85.84 for 74 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) A company used 380.00 lemons to make 76 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) A chef bought 83 bags of oranges at the supermarket and it cost her \$238.21. 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.
- 9) A school fundraiser sold 49 candy bars and earned 115.64 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).
- 10) In a game defeating 31 enemies earns you 7,750.00 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.

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| 1) Using 3 boxes of nails a carpenter was able to finish 27.00 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. | 1. <b><math>t = b9.00</math></b>    |
| 2) Carol traveled 25.65 kilometers in 15 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.  | 2. <b><math>t = m1.71</math></b>    |
| 3) A phone store earned \$206.10 after they sold 90 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. <b><math>t = c2.29</math></b>    |
| 4) Using a water hose for 87 minutes used up 253.17 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. <b><math>t = m2.91</math></b>    |
| 5) A candy company made \$272.55 for every 79 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. <b><math>t = b3.45</math></b>    |
| 6) At a carnival it costs \$85.84 for 74 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.  | 6. <b><math>t = n1.16</math></b>    |
| 7) A company used 380.00 lemons to make 76 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).                  | 7. <b><math>t = b5.00</math></b>    |
| 8) A chef bought 83 bags of oranges at the supermarket and it cost her \$238.21. 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. <b><math>t = b2.87</math></b>    |
| 9) A school fundraiser sold 49 candy bars and earned 115.64 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).                       | 9. <b><math>t = b2.36</math></b>    |
| 10) In a game defeating 31 enemies earns you 7,750.00 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. <b><math>t = e250.00</math></b> |