

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

- 1) In a game defeating 44 enemies earns you 4,400.00 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.
- 2) A school had to buy 62 new science books and it ended up costing \$2,049.10 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) The combined weight of 8 concrete blocks is 119.04 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.
- 4) A chef bought 97 bags of oranges at the supermarket and it cost her \$121.25. 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.
- 5) You can buy 5 pieces of chicken for \$13.80. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.
- 6) A phone store earned \$436.48 after they sold 88 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) Maria traveled 40.00 kilometers in 25 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) A school fundraiser sold 29 candy bars and earned 39.73 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) It cost \$93.80 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.
- 10) Using a water hose for 82 minutes used up 164.82 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) In a game defeating 44 enemies earns you 4,400.00 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. | 1. <u>$t = e100.00$</u> |
| 2) A school had to buy 62 new science books and it ended up costing \$2,049.10 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. <u>$t = b33.05$</u> |
| 3) The combined weight of 8 concrete blocks is 119.04 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. | 3. <u>$t = b14.88$</u> |
| 4) A chef bought 97 bags of oranges at the supermarket and it cost her \$121.25. 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. <u>$t = b1.25$</u> |
| 5) You can buy 5 pieces of chicken for \$13.80. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy. | 5. <u>$t = c2.76$</u> |
| 6) A phone store earned \$436.48 after they sold 88 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. <u>$t = c4.96$</u> |
| 7) Maria traveled 40.00 kilometers in 25 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took. | 7. <u>$t = m1.60$</u> |
| 8) A school fundraiser sold 29 candy bars and earned 39.73 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. <u>$t = b1.37$</u> |
| 9) It cost \$93.80 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. | 9. <u>$t = p18.76$</u> |
| 10) Using a water hose for 82 minutes used up 164.82 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. <u>$t = m2.01$</u> |