

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

- 1) You can buy 9 pieces of chicken for \$26.73. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.
- 2) A school fundraiser sold 20 candy bars and earned 40.80 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).
- 3) A chef bought 99 bags of oranges at the supermarket and it cost her \$199.98. 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) At a carnival it costs \$51.80 for 37 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.
- 5) A candy company made \$5.50 for every 2 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) Using 2 boxes of nails a carpenter was able to finish 8.00 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.
- 7) Using a water hose for 98 minutes used up 274.40 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.
- 8) A company used 200.00 lemons to make 40 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).
- 9) In a game defeating 17 enemies earns you 2,550.00 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) A school had to buy 5 new science books and it ended up costing \$419.90 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.

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Answers

1. **$t = c2.97$**
2. **$t = b2.04$**
3. **$t = b2.02$**
4. **$t = n1.40$**
5. **$t = b2.75$**
6. **$t = b4.00$**
7. **$t = m2.80$**
8. **$t = b5.00$**
9. **$t = e150.00$**
10. **$t = b83.98$**