

6. Mr. George bought 7 drums of two different cleaning fluids for his dry cleaning business. One of the fluids cost \$30 a drum and the other was \$20 a drum. The total price of the supplies was \$160. How much of each fluid did Mr. George buy?
7. The perimeter of a rectangular picture is 86 inches. Twice the width exceeds the length by 2 inches. What are the dimensions of the picture?
8. A limited edition of a book published by a historical society was offered for sale to its members. The cost was one book for \$12 or two books for \$20. The society sold 880 books and the total amount of money taken in was \$9840. How many members ordered two books?
9. HomeMade Toys manufactures solid pine trucks and cars and usually sells four times as many trucks as cars. The net profit from each truck is \$6 and the profit from each car is \$5. If the company wants a total profit of \$29,000, how many trucks and cars should they sell?
10. Mr. Griffin wants to plant soybeans and corn on 100 acres of land. Soybeans require 6 hours of labor per acre, and corn requires 8 hours of labor per acre. If Mr. Griffin has 660 hours available, how many acres of each crop should he plant?

ANSWERS

1. 2 three point, 7 two point baskets
2. 5 pkgs are greater than or equal to 3 lbs, 7 pkgs are less than 3 lbs
3. \$6 @ restaurant, \$5 @ babysitting
4. Break even point is (2, 11). Opt 1 is better for more than 2 hr., opt 2 is better for less than 2 hr.
5. 20 ml of 10%, 70 ml of 1%
6. 5 drums costing \$20; 2 drums costing \$30
7. width 15 in; length 28 in.
8. 180 members bought 2 books
9. 1000 cars; 4000 trucks
10. 30 acres of corn, 70 acres of soybeans