


Worksheet on solving Word Problems using systems of equations

Solving System of Equations Word Problems

- 1) Michelle is making goodie bags for Christmas filled with chocolates and candy. Chocolates cost \$2.50 per lb and candy cost \$3.00 per lb. Michelle spent a total of \$40.00 on chocolates and candy. She bought a total of 15 lbs of chocolate and candy. How many lbs of each did she buy?
- 2) 20 000 tickets were sold to the Green Day concert. Stage level seats cost \$105 and higher level seats cost \$75. If the total money collected from selling tickets was \$1 740 000, how many of each type were sold? 
- 3) Kaitlyn's Gourmet Pretzel Shop specializes in selling the very finest chocolate covered pretzels. Thomas bought 4 white chocolate pretzels and 6 dark chocolate pretzels for \$10.50. Tyson bought 8 white chocolate and 3 dark chocolate pretzels for \$9.75. What is the cost of each type of pretzel?
- 4) Tyler is catering a banquet for 250 people. Each person will be served either chicken or beef. The chicken cost \$5.00 per person and the beef cost \$7.00 per person. Tyler spent \$1500. How many dishes of each type did he serve?
- 5) Your teacher is giving a test worth 100 points containing 40 questions. There are two points and four points question on the test. How many of each type of questions are on the test?
- 6) The Music club and the Drama club had fundraiser's to buy supplies. The Music club spent \$135 buying six cases of juice and one case of bottle water. The Drama club spent \$110 buying four cases of juice and two cases of bottled water. How much did each type of drink cost?
- 7) Suppose you bought supplies for a party. Three rolls of streamers and 15 party hats that cost \$30. Later, you bought 2 rolls of streamers and 4 party hats for \$11. How much did each roll of streamers cost? How much did each party hat cost?