

1. Four large cheeseburgers and two chocolate shakes cost a total of \$7.90. Two shakes cost 15 cents more than one cheeseburger. What is the cost of a cheeseburger? A shake?
2. One group of people purchased 10 hot dogs and 5 soft drinks at a cost of \$12.50. A second group bought 7 hot dogs and 4 soft drinks at a cost of \$9.00. What is the cost of a single hot dog? A single soft drink?
3. A Broadway theater has 500 seats divided into orchestra, main, and balcony seating. Orchestra seats sell for \$50, main seats sell for \$35, and balcony seats for \$25. If all the seats are sold, the gross revenue to the theater is \$17,100. If all the main and balcony seats are sold, but only half the orchestra seats are sold, the gross revenue is \$14,600. How many are there of each kind of seat?
4. A movie theater charges \$8.00 for adults, \$4.50 for children, and \$6.00 for senior citizens. One day the theater sold 405 tickets and collected \$2320 in receipts. There were twice as many children's tickets sold as adult tickets. How many adults, children, and senior citizens went to the theater that day?