

1. Find the value of two numbers if their sum is 12 and their difference is 4.
2. The school that Stefan goes to is selling tickets to a choral performance. On the first day of ticket sales the school sold 3 senior citizen tickets and 1 child ticket for a total of \$38. The school took in \$52 on the second day by selling 3 senior citizen tickets and 2 child tickets. Find the price of a senior citizen ticket and the price of a child ticket.
3. The state fair is a popular field trip destination. The year the senior class at High School A and the senior class at High School B both planned trips there. The senior class at High School A rented and filled 8 vans and 8 buses with 240 students. High School B rented and filled 4 vans and 1 bus with 54 students. If every van had the same number of students in it as did the buses, find the number of students in each van and in each bus.
4. Matt and Ming are selling fruit for a school fundraiser. Customers can buy small boxes and large boxes of oranges. Matt sold 3 small boxes and 14 large boxes of oranges for a total of \$203. Ming sold 11 small boxes and 11 large boxes of oranges for a total of \$220. Find the cost each of one small box and one large box of oranges.
5. Cadence has a collection of 52 dolls that have either blue eyes or green eyes. If she has 16 more blue-eyed dolls than green-eyed dolls, find the number of each type of doll.
6. Dalton has 7 bills, all tens and twenties, that total \$100 in value. How many of each bill does he have?
7. Eldora and Finn went to an office supply store together. Eldora bought 15 boxes of paper clips and 7 packages of index cards for a total cost of \$55.40. Finn bought 12 boxes of paper clips and 10 packages of index cards for a total cost of \$61.70. Find the cost of one box of paper clips and the cost of one package of index cards.
8. Galina spent \$3.60 for stamps to mail packages. Some were \$0.30 stamps and the rest were \$0.20 stamps. If the number of \$0.20 stamps was 2 less than the number of \$0.30 stamps, how many of each kind did Galina buy?
9. Harold had a summer lemonade stand where he sold small cups of lemonade for \$1.25 and large cups for \$2.50. If he sold a total of 155 cups of lemonade and collected a total of \$265, how many cups of each type did he sell?
10. The sum of the digits of a certain two-digit number is 7. Reversing its digits increases the number by 9. What is the number?