

Coin and Stamp Problems

1. I have a collection of pennies, nickels, dimes, and quarters. There is four more dimes than nickels. I have one less quarter than nickels. There are three more pennies than twice the number of dimes. If I have 54 coins in all how much money do I have?
2. A collection of 56 coins has a value of \$4.00. The collection contains only nickels and dimes. Find the number of dimes in the collection.
3. A collection of 22 coins has a value of \$4.45. The collection contains dimes and quarters. Find the number of quarters in the collection.
4. A coin collection contains nickels, dimes, and quarters. There are twice as many dimes as quarters and seven more nickels than dimes. The total value of all the coins is \$3.10. How many quarters are in the collection?
5. A department store uses twice as many five-dollar bills in conducting daily business as ten-dollar bills. \$2,500 was obtained in five-dollar and ten-dollar bills for the day's business. How many five dollar bills were obtained?
6. A stamp collector has some 15¢ stamps and some 20¢ stamps. The number of 15¢ stamps is eight less than three times the number of 20¢ stamps. The total value is \$4. Find the number of each type of stamp in the collection.
7. An office has some 20¢ stamps and some 28¢ stamps. Altogether the office has 140 stamps for a total value of \$31.20. How many of each type stamp does the office have?
8. A stamp collection consists of 3¢, 8¢, and 13¢ stamps. The number of 8¢ stamps is three less than twice the number of 3¢ stamps. The number of 13¢ stamps is twice the number of 8¢ stamps. The total value of all the stamps is \$2.53. Find the number of 3¢ stamps in the collection.
9. A stamp collector has 8¢, 11¢, and 18¢ stamps. The collector has twice as many 8¢ stamps as 18¢ stamps. There are three more 11¢ than 18¢ stamps. The total value of the stamps in the collection is \$3.48. Find the number of 18¢ stamps in the collection.
10. A coin bank contains only nickels and dimes. The number of dimes in the bank is two less than twice the number of nickels. There are 52 coins in the bank. How much money is in the bank?

11. MaryBeth has a collection of pennies, nickels, dimes, and quarters. There are 7 less nickels than twice the number of pennies. The pennies outnumber the dimes by six. There is one more quarter than four times the number of dimes. If you take the expressions found for the total **value** of the pennies and dimes (in terms of cents) that would be equal to the number of coins in the collection. Find the value of all the coins in the collection.
12. John has thirty five coins consisting of pennies, nickels, dimes, and quarters. He has three times as many quarters as nickels. John has one more penny than dimes. He has two more dimes than nickels. What is the total value of John's change?
13. Elizabeth has thirty eight coins consisting of pennies, nickels, dimes, and quarters. She has three more quarters than dimes. There are two more nickels than twice the number quarters. There are three less pennies as twice as many dimes. Find the value of Elizabeth's coins.
14. Mike has a coin collection worth \$3.47. There is one more dime than three times the number pennies. There are four more quarters than dimes. There are four less nickels than twice the number of pennies. Find how many of each type of coin Mike had.
15. AnnMarie has \$3.93 in coins consisting of pennies, nickels, dimes, and quarters. She has nine less nickels than three times the number of dimes. There is two more dimes than twice the number of quarters. There is one more penny than the number of dimes. Find how many of each type of coin she has.