Word Problems; 2V

1. Read the problem to determine what you are looking for
2. Reread the problem, label those and call one x, the other y
3. Re-read the problem and write an equation in 2 variables
4. Reread the problem and write a second equation in two variables
5. Solve the system

1. Find a two-digit number whose tens' digit is four times the units' digit and the sum of the digits is 10.

2. The sum of the digits of a two-digit number is 12. The tens' digit is two more than the units' digit, find the number.

3. Three times the tens' digit exceeds the units digit by 5, the sum of the digits is 11, what is the number?

4. A two-digit number is four times the sum of the digits. If the digits are interchanged, the result is 4 plus twenty times the tens' digit, what is the number?

5. The Frosty Ice-Cream Shop sells sundaes for $2 and banana splits for $3. On a hot summer day, the shop sold 8 more sundaes than banana splits and made $156.

6. Ann and Betty together have $60. Ann has $9 more than twice Betty's amount. How much money does each have?

7. A collection of nickels and quarters is worth $2.85. There are 3 more nickels than quarters. How many nickels and quarters are there?

8. Kelly has 24 dimes and quarters worth $3.60. How many quarters does she have?

9. Rob has 40 coins, all dimes and quarters, worth $7.60. How many dimes and how many quarters does he have?

10. The talent show committee sold a total of 530 tickets in advance. Student tickets cost $3 each and the adult tickets cost $4 each. If the total receipts were $1740, how many of each type of ticket were sold?