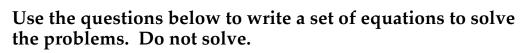
Cash Out





| Duke cleared the cash register of nickels and dimes. There were twenty coins in all, and the total value of the coins was \$1.35. How many of each type of coin were in the cash register? Let's analyze the problem 1) We are being asked to find the number of |
|--|
| 2) Since we are finding the number of and these are our two variables. We are going to assign the letter and the letter |
| 3) The two totals we are given are coins and \$ |
| Because we have been given two variables to solve for, and two totals, we will need to write two equations. |
| Equation 1 – Total Number of Coins Equation 2 – Total Value of Coins |
| total coins nickels dimes total value of coins nickel value dime value |
| Try one more on your own: Your uncle walks in, jingling the coins in his pocket. He grins at you and tells you that you can have all the coins if you can figure out how many of each kind of coin he is carrying. You're not too interested until he tells you that he's been collecting those goldtone one-dollar coins. The twenty-six coins in his pocket are all dollars and quarters, and they add up to seventeen dollars in value. How many of each coin does he have? |
| 1) We are being asked to find the number of and |

| 2) Since we are finding the number of | f and these are our |
|---------------------------------------|---|
| two variables. We are going to assign | the letter and |
| the letter | |
| 3) The two totals we are given are | coins and \$ |
| Equation 1 – Total Number of Coins | Equation 2 – Total Value of Coins |
| total coins dollars quarters | total value of coins dollar value quarter value |

Challenge: Solve the second problems' system of equations by the substitution or elimination method.