Name: <u>Assignment</u>

Partner Name:_____

In the following questions your goal is to set up an equation and solve it. Only part marks will be given for the solution.

1. When a number is multiplied by five and the product increased by thirteen, the result is seventy – three. What is the number?

2. Find three consecutive numbers whose sum is 375.

3. There are four numbers. The first is twenty less than the second, the third is one more than twice the first and the fourth is four more than the second. We also know the sum of the first and second equals the sum of the third and fourth numbers. Find the numbers. 4. Sara bought an equal number of bags of popcorn, Doritos and cookies for \$57.54. If the popcorn costs \$5.49, Doritos costs \$3.79 and the cookies cost \$4.99. How many of each did she buy?

5. Mr. Vidic is 12 years older than Rachel. The sum of their ages is 46, how old are they?

6. Mr Tijo is now three times as old as Vishal, but in five years he will be only twice as old as Vishal. How old is Vishal currently?

7. Mr. Rickard is forty three years old and his son is thirteen. How many years ago was Mr. Rickard seven times as old as his son?

8. Maneli has a jar with 61 coins all of which are dimes and quarters. If the total value of the coins is \$9.85, how much of each kind of coin does she have?

9. In Aldem's piggy bank there are just as many nickels as pennies, three more dimes than nickels and five fewer quarters than pennies. If he has \$3.97 in his bank how many of each coin does he have? 10. Calder has \$2.55 made up of pennies, dimes and quarters. He has as many dimes as pennies and he has eighteen coins in total. How many quarters does he have?