## Linear Equation in one variable - Word Problems:

- Read the linear problem carefully and note what is given in the question and what is required to find out.

- Denote the unknown by any variable as x, y, ……. (any variable)

- Translate the problem to the language of mathematics or mathematical statements.

- Form the linear equation in one variable using the conditions given in the problems.

- Solve the equation for the unknown.

- Verify to be sure whether the answer satisfies the conditions of the problem.

1. The sum of three consecutive multiples of 4 is 444. Find these multiples.
2. The denominator of a rational number is greater than its numerator by 3. If the numerator is increased by 7 and the denominator is decreased by 1, the new number becomes 3/2. Find the original number.
3. The sum of the digits of a two digit number is 7. If the number formed by reversing the digits is less than the original number by 27, find the original number.
4. A motorboat goes downstream in river and covers a distance between two coastal towns in 5 hours. It covers this distance upstream in 6 hours. If the speed of the stream is 3 km/hr, find the speed of the boat in still water.