**Aarambh classes**

**Class 10**

**Practice questions**

**Real numbers,polynomials and linear equations**

1. Find the least number that is divisible by all the numbers from 1 to 5 (both inclusive ).

2. A forester wants to plant 66 mango trees ,88 orange trees and 110 apple trees in equal rows (in terms of number of trees) .Also ,he wants to make distinct rows of trees (only one type of tree in one row ).find the number of minimum rows .

3. The ratio of two numbers is 15:11 and their HCF is 13.Find the numbers .

4. If one zero of 2x-3x +k is reciprocal to the other ,then find the value of k .

5. If sum of squares of zeroes of the quadratic polynomial f(x) = x-4x+k is 20 ,then find the value of k.

6. If and are the zeroes of the quadratic polynomials p(s) =3s-6s+4 ,then find the value of .

7. Solve for x and y by substitution method : ax+by =1 ; bx +ay = .

8. For which value(s) of ,does the pair of linear euations and have

(i) no solution ?

(ii)infinitely many solutions ?

(iii)a unique solution ?

9. Father’s age is 3 times the sum of ages of his two children .After 5 years ,his age will be twice the sum of ages of the two children .Find the age of the father .

10. Two chairs and three tables cost Rs 5650 whereas three chairs and two tables cost Rs 7100.Find the cost of a chair and a table separately .