**Aarambh classes**

**Class VI(CBSE)**

**Maths worksheet**

**Playing with numbers**

1. Write all the factors of 70.
2. Write the first five multiples of 9.
3. List all the factors of 12 and 15 .Circle the common factors.
4. Write all primes between 20 and 40.
5. Express each of the following as the sum of two odd primes.

(i)36 (ii)42 (iii) 84 (iv)24

6. Express each of the following as the sum of three odd primes .

(i) 33 (ii)45 (iii)55 (iv)63

7. Use divisibility test to determine which of the following numbers are divisible by 2,3,4,5,6,7,8,9,10.

(i) 236 (i)525 (iii)1380 (iv)5555 (v)38456 (vi)23905 (vii)6909

8. Give two examples of each of the numbers which are :

(i)divisible by 5 but not by 10

(ii)divisible by 3 but not by 6

(iii)divisible by 4 but not by 8

9. Find the prime factorization of the greatest 4 -digit number .

10. Find the largest number which divides 146,254 and 272 leaving a remainder 2 in each case.

11. In a school there are 108,162 and 270 students in class VI,VII and VIII,respectively.They have to go for apicnic on the same day to the same place.Find the least number of buses required such that each bus will take the largest but equal number of students from each class.

12. Find the LCM of 16,20 ,36 and 60 by common division method.

13. Determine the number which when divided by 16,20,36 and 60 leaves aremainder 5 in each case.

14. Four bells ring at an interval of 4,7,12 and 14 seconds,respectively.If the four bells begin to ring at 12o’clock ,when will the next ring together and how often will they do so in the next 14 minutes ?

15. The HCF and LCM of two number sare 13 and 1989 ,respectively.If one of the numbers is 117,find the other.