**Worksheet of Class - VII**
**Subject- Mathematics (Volume-2)**
**Ch- 3 Finding Common Ground**

***Solve all the questions***

Q1 i) The prime factorisation of 64 is
a) 2 x 2 x 2 x 2 x 2 x 2 b) 2 x 3 x 2 x 7
c) 2 x 2 x 32 d) None of these

ii) If one no. is the factor of the other no. then what will be the HCF?
a) Greater no. b) smaller no.
c) product of them d) None of these.

iii) What is the greatest number which divides 84, 126 and 210 exactly? In this question, what will you find to get the answer
a) HCF b) LCM c) Both d) none of these

iv) Three bells ring together at intervals of 6, 8, 10 minutes. After how many minutes will they ring together again? what will you find to get the answer
a) HCF b) LCM c) Both d) none of these.

Q2 Find the prime factorisation
a) 148 b) 162

Q3 Find common factors of 45 and 75.

Q4 Find Hcf using all the methods.
Note (One method in one part)
a) 28, 48, 70 b) 78, 198
c) 37, 59 d) 136, 68, 81

Q5 Find LCM using all the methods
Note (One method in one part)
a) 20, 25, 30 b) 84, 196, 276 c) 9, 12, 24, 45

Q6 Find the largest no. which divides 215, 338, and 392 leaving remainder 5, 7, 2 Respectively.

Q7 Your city runs three bus routes that start from the main bus station.
Bus A arrives every 15 minutes
Bus B arrives every 20 minutes
Bus C arrives every 30 minutes
The transport Department wants to know :
1) After how many minutes will all three buses arrive together at the bus station again?
2) How many times will they meet together in 3 hours?

Q8 The LCM of two numbers is 60 and their Hcf is 10. If one of the numbers is 20, what is the other number?