**Aarambh Classes**

**Class X**

**MATHS WORKSHEET**

**Real numbers**

1. Using prime factorisation , find the HCF and LCM of :
2. 1152,1664 (ii) 30,72 ,432 (iii) 21,28,36,45
3. The HCF of two numbers is 11 and their LCM is 7700 .If one of the numbers is 275 ,find the other .
4. Find the largest number which divides 320 and 457 leaving remainders 5 and 7 respectively .
5. Find the simplest form of :

(I) (ii) (iiii)

1. Find the greatest possible length which can be used to measure exactly the lengths 7m ,3m 85 cm and 12 m 95cm .
2. Three sets of English ,Mathematics and science books containing 336,240 and 96 books respectively have to be stacked in such a way that all the books are stored subjectwise and the height of each stack is the same .How many stacks will be there ?
3. Three measuring rods are 64 cm ,80cm and 96 cm in length .Find the least length of cloth that can be measured an exact number of times ,using any of the rods .
4. An electroni cdevice makes abeep after every 60 seconds .Another device makes a beep after every 62 seconds .they beeped together at 10 a.m .At what time will they beep together at the earliest ?
5. Six bells commence toiling together and toll at intervals of 2,4,6,8,10 ,12 minutes respectively .In 30 hours ,how many times do they toll together ?
6. Ravi and Shikha drive around a circular sports field .Ravi takes 16 minutes to take one round ,while Shikha completes the round in 20 minutes .If both start at the same point ,at the same time and go in the same direction ,after how much time will they meet at the starting point ?