

## Questions - Class - X.

Q1. The HCF of two Nos is 23 & the other two factors of their LCM are 13 & 14. The larger of two number is?

Q2 Six bells commence tolling together and toll at intervals of 2, 4, 6, 8, 10 and 12 seconds respectively. In 30 minutes. How many times do they toll together?

Q3 Let  $N$  be the greatest number that will divide 1305, 4665 and 6905 leaving the same remainder in each case, then the sum of the digits in  $N$  is?

Q4 Find the greatest No. of 5 digit which is divisible by 15, 25, 40 & 75.

Q5 3 Nos are in the ratio of 3:4:5 and their L.C.M is 2400. Their HCF is?

Q6. The Product of two Nos is 4107  
if the HCF of these Nos is 37,  
then find the Greater No.

Q7. The Product of two Nos is 2028  
and their HCF is 13. The No. of  
such pairs is.?

Q8. The Least Multiple of 7, which  
leaves a remainder of 4 when  
divided by 6, 9, 15 & 18.

Q9. The Least No. which should be  
added to 2497 so that the sum  
is exactly divisible by 5, 4, 3 & 6.

Q10. The Least No. which when  
divided by 5, 6, 7 & 8 leaves a  
remainder 3 but when divided  
by 9 leaves no remainder.?

Q11 A, B & C start at the same time in the same direction to run around a circular stadium. A completes a round in 252 seconds, B completes in 308 s and C in 198 s, all starting at the same point. After what time will they again at the starting point.

Q12 The HCF of two Nos is 11 and their LCM is 7700. If one of the Nos is 275, then the other No is.

Q13 The smallest No which when diminished by 7 is divisible 12, 16, 18, 21 & 28 is.

Q14 Three Numbers which are co-prime to each other are such that the product of the first two is 551 and that of the last two is 1073. The sum of the three Nos is?