HOTS QUESTION
CHAPTER-3(PLAYING WITH NUMBERS)

1. Out of 15,16,21 and 28 find out all the pairs of co-prime numbers. Ans: 15,16;15,28;16,21;21,28.
2. Find the greatest no. that will divide 93,111 and 129 leaving remainder 3 in each case. Ans: 8
3. The H.C.F and L.C.M of two numbers are 50 and 300 respectively. If one of the numbers is 100 find the other one.   Ans: 150
4. The product of two numbers is 4320 and their H.C.F is 72. Find their L.C.M. Ans:600
5. The product of 2 numbers is 96. Their sum is 22. Find the numbers.   Ans:16 and 6
6. Replace P by such a smallest digit so that the number is divisible by 9. 75P68. Ans: 1
7. Write the smallest 3 digit number and express it as product of primes.
8. Find the least number which is divisible by all the numbers from 1 to 10. Ans: 2250
9. Determine the number nearest to 1000 but greater than 1000 which is exactly divisible by each of 8,15 and 24.   Ans: 1080
10. Find the product of the H.C.F and L.C.M of the numbers 53 and 100. Ans: 5300.