

HOTS QUESTION  
CHAPTER-3. (PLAYING WITH NUMBERS)

1. Find the sum of 5<sup>th</sup>, 7<sup>th</sup> and 9<sup>th</sup> multiple of 219.      Ans: 4599
2. Which of the following number have 15 as their factor?  
A. 15625. B. 123015. Ans: Option B
3. A number is divisible by both 17 and 7. Find by which other number the number will be divisible?    Ans: 1 and 119
4. Are all co primes twin prime? Justify your answer.
5. Find the largest number that divides 285 and 1249 leaving 9 and 7 respectively?  
Ans: 138
6. Find the smallest number that divide both 36 and 48 leaving remainder of 6? Ans: 150
7. The H.C.F of two numbers is 75. Their product is 5925. Find the LCM. Ans: 79
8. The HCF of two numbers is 145, their LCM is 1305. If one number is 25. find the another number. Ans: 7569
9. Determine the least number which when divided by 3, 4 and 5, leaves remainder 2 in each case. Ans: 62
10. Find a 4 digit number using each of the digits 1, 2, 4 and 5 only once such that when the first and the last digits are interchanged it is divisible by 4. Ans: 4521 or 2514