



INDIAN SCHOOL AL WADI AL KABIR

Dept. of Mathematics

Class : VI

SUMMER HOLIDAY HOME WORK

Date: 21st May 2017

1. Write all prime numbers between 1 to 100.
2. Insert comma and write the number name using Indian system of numeration.
9070053 , 224466777
3. Find first three multiples of 12 , 15 and 18 .[Hint : Find the L.C.M. of 12, 15, 18, then get $LCM \times 1$, $LCM \times 2$, $LCM \times 3$
4. Insert comma and write the number name using International system of numeration.
8291007364 , 999111888222
5. Write the Roman Numeral for 47 , 93, 88, 29
6. Using the digits 6, 5, 0,3, 2 Form the greatest and the smallest 6-digit number, and hence find their sum and the difference. [Ans.: sum = 853556 , Difference = 452844]
7. Write all pairs of prime numbers from 1 to 100 whose difference is 2.
[Hint : See question-1 to find your answer]
8. Find the first three common factors of 30, 50 and 60.
[Hint : Find HCF and collect the three factors]
9. Make factor tree for (a) 75 (b) 56 (c) 84
10. Find the prime factors of (a) 1080 (b) 4725 (c) 945

11. Add using suitable arrangement :
- (i) $1954 + 2036 + 2046 + 1964$
 - (ii) $459 + 5061 + 541 + 4039$
- [Hint for associativity: add 1st and the 3rd term, 2nd and the 4th term then use closure property]
12. Write the smallest 5 - digit number and express it as a product of prime factors.
13. Write the greatest 4 - digit number and express it as a product of prime factors.
14. Test the divisibility of numbers by 6 : (a) 72354 (b) 40083 (c) 18630
15. Test the divisibility of numbers by 8 : (a) 437536 (b) 169804
[use long division by 8 for last 3 digits]
16. Test the divisibility of numbers by 11 : (a) 61809 (b) 254769
17. Find the H.C.F. of (a) 170 , 238 (b) 272, 425 (c) 28,35,49
18. Find the least number which when divided by 25, 45, 60 leaves a remainder 1 in each case.
[Hint : Find LCM then add 1]
19. Find the product using distributive property: (i) 345×101 (ii) 864×99
[Ans.(i) 34845 (ii) 85536
20. Find the value using distributive property: (i) $654 \times 321 - 654 \times 221$
(ii) $333 \times 99 + 333 \times 1$ (iii) $576 \times 103 - 576 \times 3$
21. In a town, there are 6, 841, 259 people. If number of men are 3, 725, 048.
Find the number of women.
22. Find the L.C.M. of a) 72, 108, 180 (b) 18,24, 32

****Submission Date: 07 /08 /2017**