**VI CLASS**

**HIGHEST COMMON FACTOR AND LOWEST COMMON MULTIPLE**

1. ________ is a factor of every number
   
   a) 1  
   b) 0  
   c) 2  
   d) 5

2. Every number is a ________ of itself
   
   a) factor  
   b) multiple  
   c) a & b  
   d) none

3. ________ has no factor other than itself.
   
   a) 0  
   b) 1  
   c) 2  
   d) 5

4. ________ is the least prime number.
   
   a) 1  
   b) 3  
   c) 2  
   d) 7

5. ________ is neither prime nor composite.
   
   a) 1  
   b) 2  
   c) 3  
   d) none

6. Other than 1, remaining all the numbers has at least ________ factors.
   
   a) 1  
   b) 2  
   c) 3  
   d) none

7. Another name of product is ________
   
   a) multiple  
   b) factor  
   c) a & b  
   d) none

8. Numbers with ‘2’ as a factor are called ________ numbers
   
   a) Even  
   b) Odd  
   c) Prime  
   d) co-primes

9. Numbers without ‘2’ as a factor are called ________ numbers
   
   a) Even  
   b) Odd  
   c) Prime  
   d) Composite

10. 4 x 5 = 20; 20 is called ________
    
    a) multiple  
    b) product  
    c) a & b  
    d) factor

11. 4 x 5 = 20, here 4 & 5 are ________
    
    a) factors  
    b) product  
    c) multiple  
    d) none

12. Which is the prime number from the following?
    
    a) 5  
    b) 9  
    c) 15  
    d) 6

13. The sum of 2 even numbers is always an ________ number
    
    a) Even  
    b) Odd  
    c) a & b  
    d) none

14. The difference or product of 2 even numbers is always ________ number.
    
    a) odd  
    b) even  
    c) prime  
    d) none

15. All the even numbers are composite numbers except ________
    
    a) 4  
    b) 7  
    c) 2  
    d) 9

16. Which is not a prime number from the following
    
    a) 7  
    b) 5  
    c) 11  
    d) 9
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| 17. | The numbers which are not prime number are called ________  
|     |   
|     | a) prime numbers  
|     | b) composite numbers  
|     | c) even numbers  
|     | d) odd numbers  |
| 18. | The sum or difference of 2 odd numbers is always ________ number.  
|     |   
|     | a) even  
|     | b) odd  
|     | c) composite  
|     | d) prime  |
| 19. | The product of even and odd numbers is ________ number  
|     |   
|     | a) an even  
|     | b) an odd  
|     | c) composite  
|     | d) a prime  |
| 20. | Choose the example of a composite number from the following.  
|     |   
|     | a) 5  
|     | b) 12  
|     | c) 11  
|     | d) 13  |
| 21. | Which is the multiple of 5 out of the following  
|     |   
|     | a) 25  
|     | b) 23  
|     | c) 19  
|     | d) 24  |
| 22. | If a number has no factors except 2 (1 & the number itself) then that number is called ________  
|     |   
|     | a) prime number  
|     | b) composite number  
|     | c) even number  
|     | d) none  |
| 23. | What is the common factor of even numbers? ________  
|     |   
|     | a) 12  
|     | b) 4  
|     | c) 0  
|     | d) 2  |
| 24. | What is the G.C.D of 12 & 60 ________  
|     |   
|     | a) 12  
|     | b) 6  
|     | c) 4  
|     | d) 2  |
| 25. | What is the G.C.D of 5 and 7 ________  
|     |   
|     | a) 5  
|     | b) 7  
|     | c) 35  
|     | d) 1  |
| 26. | What is the G.C.D of 24 and 60? ________  
|     |   
|     | a) 12  
|     | b) 2  
|     | c) 4  
|     | d) 6  |
| 27. | If a number is a factor of another number, the smaller number is the ____ of the given numbers.  
|     |   
|     | a) H.C.F  
|     | b) L.C.D  
|     | c) a & b  
|     | d) L.C.M  |
| 28. | If one of the two given numbers is a multiple of the other, the greater number is the ________ of the given numbers.  
|     |   
|     | a) G.C.D  
|     | b) H.C.F  
|     | c) L.C.M  
|     | d) none  |
| 29. | The number which divides a given number leaving no remainder is called its ________  
|     |   
|     | a) multiple  
|     | b) product  
|     | c) factor  
|     | d) none  |
| 30. | The product of 2 odd numbers is ________  
|     |   
|     | a) an odd number  
|     | b) an even number  
|     | c) a & b  
|     | d) none  |
| 31. | If a number has ‘0’ or ‘5’ in one’s place, the number is divisible by ___  
|     |   
|     | a) 10  
|     | b) 7  
|     | c) 5  
|     | d) 2  |
32. If a number has ‘0’ in one’s place the number is divisible by ________
   a) 3   b) 10   c) 7   d) 9

33. Which of the following numbers is divisible by 2?
   a) 1003   b) 4321   c) 1234   d) 7357

34. Which of the following numbers is divisible by 3?
   a) 3456   b) 4321   c) 8921   d) 4025

35. Which of the following numbers is divisible by 5?
   a) 3423   b) 4327   c) 8925   d) 3089

36. Which of the following numbers is divisible by 11?
   a) 523281   b) 589765   c) a & b   d) 3057

37. If two numbers have no common factor other than 1 then the numbers are called ________ numbers.
   a) prime   b) composite   c) factor   d) co-prime

38. Which of the following pairs are co-primes?
   a) (11, 111)   b) (22, 222)   c) (14, 36)   d) (5, 15)

39. If two numbers are co-primes then their product is their ________
   a) H.C.F   b) G.C.D   c) L.C.M   d) none

40. Which of the following is divisible by 4?
   a) 2784   b) 3006   c) 2007   d) 1522

41. Which of the following is divisible by 6?
   a) 2007   b) 1525   c) 3456   d) 3004

42. Which of the following is divisible by 8?
   a) 78280   b) 78205   c) 24782   d) 48278

43. Which of the following is not divisible by 9?
   a) 3456   b) 8921   c) 4023   d) 5823

44. Which is the odd prime number from the following?
   a) 2   b) 9   c) 15   d) 7

45. What is the least odd prime number?
   a) 5   b) 7   c) 3   d) 9

46. The prime number which comes just after 43 is ________
   a) 49   b) 45   c) 47   d) none
47. Difference between a prime (19) and a composite (25) number is ___  [  ]
   a) 6       b) 8       c) 9       d) 3

48. No of prime numbers between 50 and 60 is ________  [  ]
   a) 1       b) 2       c) 3       d) 4

49. The sum of the first 5 multiples of 6 is ________  [  ]
   a) 90      b) 60      c) 30      d) 4

50. Successor of every even number is ________  [  ]
   a) even    b) prime    c) odd     d) none

51. Prime factorization of 48 is ________

52. HCF of 28 & 84 is ________

53. LCM of 325, 450 is ________

54. LCM of 120, 210 & 225 is ________

55. LCM of 8, 10 & 4 is ________