BASIC WORKSHEET- 1

Grade- VII

Name of the Student: _____**Grade/Sec:** _____ **Branch** _____

MATHS

I. Multiple choice questions

1. The difference between successor and predecessor of any number is
   a) 0   b) 1   c)2   d)3

2. The sum of successors of the first five natural numbers is

   a) 3   b) 20   c)25   d)120

3. Statement(A): 520 +625 + 732 is an even number

   Statement (B): The whole number 0 has no predecessor

   a) Both A and B are true   a) Both A and B are false

   c) A is true and B is false   c)A is false and B is true

4. A perfect number among the following is

   a) 14   b) 16   c) 28   d)56

5. The number of prime numbers between 1 to 100 are

   a) 14   b) 22   c)25   d)27

6. A natural number which is even prime is

   a) 1   b) 2   c)4   d)4

7. The number of primes less than 50 is

   a) 19   b) 16   c)17   d)15

8. The number of primes between 50 and 100 is

   a) 50   b) 25   c) 10   d) 20

9. The number of primes between 10 and 110 is

   a) 100   b) 50   c) 24   d) 25

10. The number of pairs of twin primes below 100 is

    a) 4   b) 8   c) 12   d) 16

11. Product of two numbers is equal to

    a) HCF+LCM   b) HCF+GCD   c) HCF $\times$ LCM   d) LCM

12. The value of 8+|-4| is _____

    a) 4   b) -12   c) 14   d) none of these

13. |-616| =
    a) -616   b) 6.16   c) -6.16   d) 616
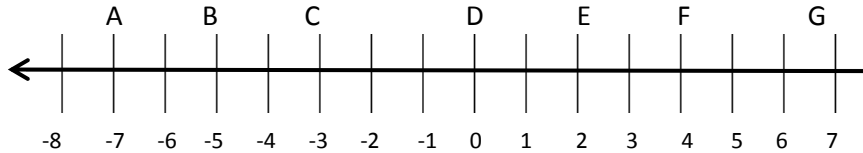
14. The absolute value of 0 is
    a) 0   b) 1   c) Not Determined   d) 2
15. Compare +42_____+23
    a) <   b) >   c) =   d) ⊐

II.   Fill in the blanks:

16.

i.   A is _____ units to the _____ of D

ii.   F is _____ units to the _____ of D

iii.   B is _____ units to the _____ of E

iv.   B+D =_____ ; G+D = _____

v.   A+E =_____ ; F+B = _____

vi.   C+G =_____ ; A+F = _____

17. 2 x 5 x (0) x (- 4) =_____

18. 2 x 3 x 4° =_____

19. The absolute value of zero is_____

20._____ is called identity element for addition of integers

21. Insert '<' , '>' or '='

        i)-65 ◯ -56   ii) (-9) $\times$ (7) ◯ (-7)$\times$ (9)

22. Absolute value of 245 is _____

23. 35 more than -65 is _____

24. Every negative integer is _____than positive integer

25. Product and quotient of a positive and a negative integer always have _____ signs.

26. 573 - 465 +239 + 465 – 573 =_____

27. The smallest integer is zero', _____is a statement.

28. A-3 is_____ than zero if A is greater than 3.

29. Predecessor of -99 is _____

30. $(-3) \times (4) \times (-5)$ (_____) = -420.

31. 25 - 75 - 75 - 75 + 200 =_____

32. -10 - [17 - (-3)]=_____

33. (-357) ÷ = _____

34. $(-1)^{20}$ =_____, $(-1)^{21}$=_____

35. |17| + |-8|-|-9| = _____

36. 32 - (-21)= _____

37. Sum of the integers from -5 to 5 is _____

38. The sum of two integers is 15. If one integer is -15 the other is _____

39. Positive and negative natural numbers together with _____ make integers

40. Square of any negative integer is always a _____ number

41. Product of four negative integer is_____

42. The sum of two negative integers is _____

III. Answer the following questions

43. Name the identity element of integers with respect to addition.

44. Which integer when multiplied by -1 gives 23?

45. Find the integer which when divided by -1 gives -13.

46. What is the product of any integer with 0?

47. Simplify using suitable properties:

   (a) 12 x (-3) +5 x (-3)   (b) (-10) x (-7) + (-10) x (-3)

48. The sum of each row and column is given! Can you figure out

IV.   Maths Riddles

49. How many eggs can you put in an empty basket?
50. How many 9's are there in 1 to 100?
51. I am odd number, Take away an alphabet and I become even. What number am I?