Multiples and Factors

Q.1: Fill in the blanks:

1. _____ is a factor of every number.

2. _____ is a factor of zero.

3. A factor is an exact _____ of the number.

4. Every number has at least _____ factors.

5. A number is a _____ number if it has more than two factors.

6. Numbers which are exactly divisible by 2 are called _____

7. The smallest multiple of a number is the _____

8. _____ is a multiple of every number.

9. The numbers which are not exactly divisible by 2 are called_____

10. Two Prime numbers which are prime as well as odd _____

11. The ninth multiple of 19 _____

12. Every number is a multiple of _____

13. Numbers which are not multiples of 2 are called _____numbers.

14. All even numbers are multiples of _____

15. The smallest multiple of a number is _____

16. All the multiples of a number is _____ than or _____ to a

    number.

17. Every multiple of 2, other than 2, is a _____number.

18. The HCF of two or more numbers is the _____number that divides all

    numbers without leaving any remainder.

19. If HCF of two numbers is 1 they are called _____numbers.

20. The HCF of 3 and 7 is _____.

21. The LCM is the _____of the common multiples of two or more numbers.

22. LCM = Product of _____factors x Product of factors that are not

    common.

Q.2: True or False:

1. The greatest factor of a number is 1.

2. 1 is a factor of every number.

3. The smallest factor of a number is 0.

4. Every number other than 1 has at least 2 factors.

5. All the factors of a number is smaller than or equal to the number.

6. 7 x 5 = 35, 7 and 5 are the factors of 35.

7. 0 is the only number which has only 1 factor.

8. When a number divides exactly then the divisor is called factor of the dividend.

9. When we divide a number by its factor, the remainder will be 1.

10. 1 is a factor of 1.

11. The numbers that are multiplied together are called the factors of the number.

12. 9 is an odd composite number having 1 – digit.

13. Every prime number are having only 1 factors.

14. Twin prime numbers are those pair of prime numbers which is differ by 3.

Q.3: MCQs:

1. The sum of two odd numbers is _____ number.
   a) Even   b) Odd   c) 1   d) 0

2. The sum of two even numbers is _____ number.
   a) Odd   b) 0   c) Even   d) 1

3. A number divisible by only 1 and the number itself is called a _____ number.
   a) Composite   b) Integer   c) Prime   d) Rational

4. A number divisible by numbers other than 1 and the number itself is called _____ number.
   a) Rational   b) Composite   c) Integer   d) Prime

5. A prime number has only two factors _____ and _____.
   a) 1, 0   c) 0, 0
   b) 0, 1   d) 1, Number Itself

6. The smallest prime number is _____.
   a) 0   b) 3   c) 1   d) 2

3. Write down all odd composite numbers :

   a. between 15 and 29   _____

   b. between 30 and 45.   _____

4. Write down the five pairs of twin prime numbers.

5. Write down all prime numbers between 12 and 40.

6. Write the greatest prime number which is less than

   a. 20 _____

   b. 38 _____

   c. 50 _____

7. Write the least prime number which is just greater than

   a. 6 _____

   b. 25 _____

   c. 39 _____

Q.6: Logical:

1. Write T for True and F for False statements.

   a. 2 is a factor of 13   _____

   b. 17 is a factor of 17   _____

   c. 3 is a factor of 18   _____

   d. 5 is a factor of 198   _____

   e. 9 is a factor of 36   _____

   f. 8 is a factor of 54   _____

   g. 1 is a factor of 1999   _____