



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



CLASS 8

SUBJECT :ArithmeticWork sheet16

Marks:15PLAYING WITH NUMBERS ANSWER KEY

Date:8.3.21

Answer all the following questions($1 \times 15 = 15$)

1. ——— is a factor of every number.

- A. 0
- B. 1
- C. -1

2. Number of factors of a given number are ———

- A. Infinite
- B. Finite
- C. Zero

3. The number of multiples of a given number is ———

- A. Infinite
- B. Finite
- C. Zero

4. A number for which sum of all its factors is equal to twice the number called a ——— number.

- A. Real number
- B. Perfect number
- C. Rational number

5. The number which is not a perfect number is ———

- A. 6
- B. 28
- C. 10

6. Numbers having more than two factors are called ———

- A. Prime numbers
- B. Composite numbers
- C. Perfect numbers

7. The numbers other than one whose only factors are 1 and the number itself are called _____

- A. Prime numbers
- B. Composite numbers
- C. Co – prime numbers

8. What is the greatest prime number between 10 and 20?

- A. 19
- B. 18
- C. 17

9. The smallest composite number is _____

- A. 2
- B. 3
- C. 4

10. Two numbers having only 1 as a common factor are called _____ numbers.

- A. Prime numbers
- B. Composite numbers
- C. Co – prime numbers

11. The LCM of 2 and 3 is _____

- A. 2
- B. 3
- C. 6

12. The HCF of 9 and 27 is _____

- A. 1
- B. 3
- C. 9

13. Which of the following statements are true?

- A. If a number is divisible by 3, it must be divisible by 9.
- B. If a number is divisible by 9, it must be divisible by 3.
- C. A number is divisible by 18, if it is divisible by both 3 and 6.

14. Which of the following numbers are co-prime?

- A. 2 and 4
- B. 15 and 23
- C. 9 and 27

15. A number which has either 0 or 5 in its ones place is divisible by _____

- A. 3
- B. 5
- C. 10

ANSWERS:

- 1. 1
- 2. Finite
- 3. Infinite
- 4. Perfect number
- 5. 10
- 6. Composite number
- 7. Prime number
- 8. 19
- 9. 4
- 10. Co – prime numbers
- 11. 6
- 12. 9
- 13. If a number is divisible by 9, it must be divisible by 3.
- 14. 15 and 23
- 15. 5

IndranilGhosh