

## Playing with Numbers Worksheet – 1

1. The numbers which have more than two factors are called \_\_\_\_\_.
  - a) Odd
  - b) Even
  - c) Prime
  - d) Composite
2. The numbers which are not multiples of 2 are known as \_\_\_\_\_.
  - a) Odd
  - b) Even
  - c) Prime
  - d) Composite
3. The two numbers which have only 1 as their common factor are called \_\_\_\_\_.
  - a) Twin primes
  - b) Co-primes
  - c) Composite
  - d) None of these
4. The number which is neither prime nor composite is \_\_\_\_\_.
  - a) 1
  - b) 0
  - c) 2
  - d) 3
5. Every number is a \_\_\_\_\_ and \_\_\_\_\_ of itself.
  - a) Prime, Composite
  - b) Even, Odd
  - c) Factor, Multiple
  - d) None of these
6. The numbers which have factors as 1 and the number itself, then they are known as \_\_\_\_\_.
  - a) Even
  - b) Composite
  - c) Prime
  - d) None of these
7. LCM of two co-prime numbers is their \_\_\_\_\_.
  - a) Sum
  - b) Product
  - c) Difference
  - d) None of these
8. LCM of 4 and 13 is \_\_\_\_\_.
  - a) 4
  - b) 13
  - c) 9
  - d) 52
9. LCM of 17 and 4 is \_\_\_\_\_.
  - a) 17
  - b) 58
  - c) 68
  - d) None of these

10. HCF of 36 and 64 is \_\_\_\_\_.

- |      |       |
|------|-------|
| a) 2 | b) 36 |
| c) 4 | d) 64 |

11. LCM of 36 and 73 is \_\_\_\_\_.

- |       |       |
|-------|-------|
| a) 36 | b) 64 |
| c) 27 | d) 72 |

12. An example of twin primes is \_\_\_\_\_.

- |          |         |
|----------|---------|
| a) 5, 13 | b) 5, 7 |
| c) 4, 11 | d) 3, 7 |

13. Common factors of 9 and 27 are \_\_\_\_\_.

- |             |                  |
|-------------|------------------|
| a) 1, 9, 12 | b) 1, 9, 27      |
| c) 1, 3, 9  | d) None of these |

14. HCF of the two numbers = \_\_\_\_\_.

- a) Product of two numbers x their LCM
- b) Product of two numbers  $\div$  their LCM
- c) Product of numbers
- d) None of these

15. HCF of two co-prime numbers is \_\_\_\_\_.

- |      |                  |
|------|------------------|
| a) 0 | b) 2             |
| c) 1 | d) None of these |

16. Which one is the even number?

- |          |                  |
|----------|------------------|
| a) 17535 | b) 28937         |
| c) 98976 | d) None of these |

17. Which number is the factor of every number?

- |      |      |
|------|------|
| a) 0 | b) 2 |
| c) 3 | d) 1 |

18. The prime number which comes just before 47 is \_\_\_\_\_.

- |       |                  |
|-------|------------------|
| a) 42 | b) 43            |
| c) 45 | d) None of these |

19. If the HCF of two numbers is 1, then they are known as \_\_\_\_\_.

- a) An odd number
- b) An even number
- c) A composite number
- d) None of these

20. Every prime number is an odd number, mark True / False.

- a) True
- b) False

21. Which is the smallest prime number?

- a) 0
- b) 1
- c) 2
- d) None of these

22. The HCF of two given numbers is always a factor of their LCM. Mark True / False.

- a) True
- b) False

23. The HCF of given numbers is greater than any of the numbers. Mark True / False.

- a) True
- b) False

24. HCF of two co-prime number is greater than 1. Mark True/False.

- a) True
- b) False

25. Product of two numbers = Product of their HCF and LCM. Mark True / False.

- a) True
- b) False