

# INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2024-25

CLASS: VI SUBJECT: MATHEMATICS DATE: 23-05-2024

## LESSON:03 – Playing with Numbers

1. The smallest prime number is-----
2. The smallest even prime number is-----
3. The smallest composite number is-----
4. Write any four consecutive composite numbers less than 100.
5. Express the following as the sum of two prime numbers:  
a) 80            b) 48
6. Write the prime numbers less than 100.
7. Using the divisibility rules, determine which of the following numbers are divisible by 4 and 8  
a) 30092                                  b)151856                                  c)41168
8. Using the divisibility rules, determine which of the following numbers are divisible by 6  
a) 91434            b)1234563            c)871520            d)148079
9. Find out which of the following numbers are divisible by 11.  
a) 70184            b)543015            c) 3181794
10. Which of the following numbers are divisible by 9?  
a) 34128            b)419385
11. Write the digit in the blank space so that the number formed will be divisible by 11:  
a) 9—753            b)28140—2
12. Write the factors of the following:  
a) 42            b)63            c)84
13. Write the five multiples of each of the following:  
a) 15            b)11            c)9
14. Write the common factors of the following:  
a) 36 and 24            b)64 and 48            c)81 and 27
15. Write the common multiples of the following:  
a) 10 and 12            b)6 and 8            c)15 and 12
16. Draw the factor tree of  
a) 40            b)64            c) 36

17. Write the prime factorisation of the following numbers:

- a) 105                      b) 256                      c) 92                      d) 840

18. Write the smallest 5-digit number and express it as the product of prime numbers.

19. Find the HCF of the following numbers using prime factorisation:

- a) 64, 72                      b) 30, 75                      c) 98, 120                      d) 32, 56

20. Find the LCM of the following using prime factorisation:

- a) 15, 30, 50                      b) 72, 90, 120                      c) 32, 68, 95                      d) 64, 80, 100

21. Find the greatest 3-digit number which is divisible by the numbers 4, 5, 6.

22. Find the smallest number which when divided by 18, 27 and 36 leaves a remainder of 5 in each case.

23. Dani visits a library after every 48 days. Mary visits after every 32 days and Vani after every 64 days. One day, they met at the library. After how many days will they meet again at the same place?

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