

INTERNATIONAL INDIAN SCHOOL

BURAIDAH

Worksheet For The Academic Year 2025-26

CLASS: VI SUBJECT: Mathematics DATE: 21/09/2025

LESSON-1 Prime Time

- 1) A number is a multiple of each of its factors.
- 2) A factor of a number is an exact divisor of that number.
- 3) 1 is a factor of every number.
- 4) Every number is a factor of itself.
- 5) Every factor is less than or equal to the given number.
- 6) Every multiple of a number is greater than or equal to the given number.
- 7) Composite numbers have more than 2 factors.
- 8) A number whose sum of the factors is twice the number is called perfect number.
- 9) Pairs of prime numbers whose difference is 2 are called Twin Primes.
- 10) Prime numbers have only 2 factors.
- 11) The number whose prime factors are 2,5,7 is 70.
- 12) 2 is the only even prime number.
- 13) Write all the factors of 30.
- 14) Write the first four multiples of 12.
- 15) Find the multiples of 50 between 340 and 460.
- 16) Find the common factors of 15 and 25.
- 17) Find the first three common multiples of 2 and 3.
- 18) List all the prime numbers from 1 to 100.
- 19) Check if a) 17 b) 56 are primes or not.
- 20) Write a pair of prime numbers whose difference is 4.
- 21) Write the largest prime number between 10 and 20.
- 22) Represent 34 as the sum of two prime numbers.

- 23) Check if 25 and 39 are co-prime or not.
- 24) Write the prime factors of a) 105 b) 144 c) 1000.
- 25) By prime factorisation check if a) 42 is divisible by 12
b) 144 is divisible by 16 c) 195 is divisible by 15.

ANSWERS

- 13) 1,2,3,5,6,10,15,30
- 14) 12,24,36,48
- 15) 350,400,450
- 16) 1 and 5
- 17) 6,12,18
- 19) a) yes b) no
- 20) 19 and 23
- 21) 19
- 22) $5 + 29$
- 23) not co-primes because other than 1 , 3 is also a common factor.
- 24) a) 3,5,7 b) $2^4 \times 3^2$ c) $2^3 \times 5^3$
- 25) a) no b) yes c) yes