INTERNATIONAL INDIAN SCHOOL

BURAIDAH

Worksheet For The Academic Year 2025-26

CLASS: VI SUBJECT: Mathematics DATE: 25/10/2025

LESSON-5 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 2,5,13 is 130.
12) 2 is the only even prime number.
13) Write all the factors of 25.
14) Write the first four multiples of 15.
15) Find the multiples of 50 between 400 and 500.
16) Find the cmmon factors of 10 and 25.
17) Find the first three common multiples of 3 and 4.
18) List all the prime numbers from 1 t0 100.
19) Check if a) 17 b) 56 are primes or not.
20) Write a pair of prime numbers whose difference is 6.
21) Write the largest prime number between 40 and 50.
22) Represent 36 as the sum of two prime numbers.
23) Check if 25 and 97 are co-prime or not.

24) Write the prime factors of a) 315 b) 128 c) 100.

25) By prime factorisation check if a) 72 is divisible by 16

b) 165 is divisible by 15 c) 225 is divisible by 45.

26) The prime factorisation of a number has two 3 s , two 5 s and one 11.

Find the number.

27) Find the divisibility of the following numbers by 2,4,5,8,10.

a) 746 b) 1525 c) 343 d) 1600

ANSWERS

13) 1,5,25

14) 15, 30,45,60

15) 450

16) 1 and 5

17) 12,36,48

19) a) yes b) no

20) 83 and 89

21) 47

22) 13 + 23

23) yes

24) a) 3 x 3 x 5 x 7 b) 2 X 2 X 2 X 2 X 2 X 2 X 2
c) 2 x 2 x 5 x 5

25) a) no b) yes c) yes

26) 2475