

**INTERNATIONAL INDIAN SCHOOL BURAI DAH**

**Worksheet for the Academic Year 2023-2024**

CLASS : 4

SUBJECT : MATHEMATICS

DATE : 13-09-2023

**L # 5 Factors and Multiples**

**1. Fill in the blanks.**

- a. Factors of a given number are the numbers which divide the given number without leaving any \_\_\_\_\_.
- b. Every number has at least \_\_\_\_\_ factors.
- c. The factors of a number are \_\_\_\_\_ than or \_\_\_\_\_ the number.
- d. \_\_\_\_\_ is the smallest factor of every number.
- e. A \_\_\_\_\_ gives information about all the factors of a number.
- f. Numbers which have only two factors are called \_\_\_\_\_.
- g. Numbers which have more than two factors are called \_\_\_\_\_.
- h. A number is said to be a \_\_\_\_\_ of two or more numbers, if it is a factor of each of the given numbers.
- i. The smallest and largest factors of 17 are \_\_\_\_\_ and \_\_\_\_\_.
- j. The smallest prime number is \_\_\_\_\_.
- k. The smallest multiple of 18 is \_\_\_\_\_.
- l. \_\_\_\_\_ is neither a prime nor a composite number.

**2. *Find the factors of the following numbers using division as well as multiplication methods.***

- a. 42                      b. 35

**3. *Find the common factors of the following pairs of numbers.***

- a. 72, 81                      b. 64, 72

**4. *Find the HCF of the following pairs of numbers.***

- a. 24, 32                      b. 93, 36

**5. *Draw factor trees of the following numbers .***

- a. 42                      b. 50

**6. *Find the LCM of the following pairs of numbers .***

- a. 45, 72                      b. 50, 70

**7. *Find the first ten multiples of the following numbers and circle the common multiples***

- a. 8 and 6                      b. 3 and 4

**8. *Find the numbers which are divisible by 2, 5 and 10***

142    116    150    335    390    732    480    225    610    222

**9. *Write all the numbers between 400 and 500 that are divisible by 10.***

**10. *Sam wants to pack 110 books equally in 5 bags without leaving any books .***

***Find out by using divisibility rules, whether it is possible or not.***