

WORKSHEET NO. 01

{ 2020 -2021 }

CLASS : 6 (A,B,C,D,E,F)

SUBJECT: MATHS

CHAPTER: HCF and LCM

NOTE: Parents ensure that the student takes a reference from the book of previous class or the internet.

Finding HCF:

By Prime Factorization- Find the prime factors of the given numbers. The product of the common prime factors is the required HCF.

By Common Division Method- Take the numbers together and divide them by a common prime factor. Repeat this till all common prime factors are exhausted. The product of all the common prime factors is the HCF of the given numbers.

Finding LCM:

By Prime Factorization-

Find the prime factors of the given numbers. Now determine the common and uncommon prime factors. The product of all of these is the LCM of the given numbers.

By Common Division Method-

Take the numbers together and divide by the least prime number which can divide at least one of them. If a number is not divisible then carry it down as it is. The process continues till last line gets 1. The product of all the common prime factors is the LCM of the given numbers.

Solve the following questions:

1. Write all factors of 32.
2. Write all prime factors of 35.
3. Write all prime factors of 39.
4. Write all multiples of 12 which are smaller than 60.
5. Write all multiples of 14 which are more than 30 but less than 60.
6. Give common factors of 12 and 16.
7. Find HCF of 36 and 81 using Prime Factorization Method.
8. Find HCF of 40 and 140 using Common Division Method.
9. Find LCM of 21 and 63 using Prime Factorization Method.
10. Find LCM of 39 and 78 using Common Division Method.

THE END 1/1.