

CLASS: V

Subject: Mathematics

Date: 17 /06/2020

Topic: Chapter 4(Multiples and Factors)

Time Limit: 30 Mins

Worksheet No. 19

[Copy the questions following the notes and solve them on a sheet of paper datewise. Keep the worksheets ready in a file to be submitted on the opening day.]

Instruction:- Children, here is a video link given below to develop the concept of prime numbers and composite numbers.

<https://youtu.be/qFFYaiw-N-I>

Children let us learn the concept of prime numbers and composite numbers today

Prime number:- A number which is divisible only by itself and one is known as prime number

Composite number:- Any number which is not prime is a composite number

For example let us consider the numbers from 1 to 20 and find out which numbers are prime and which numbers are composite

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

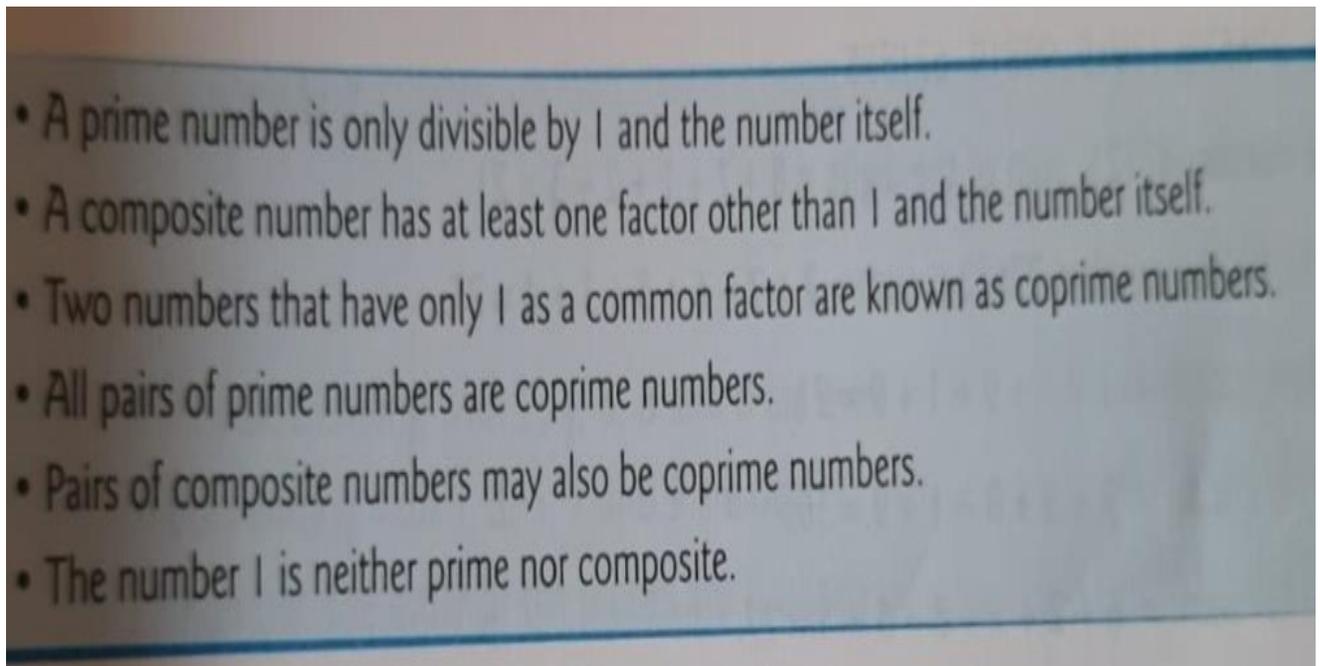
Here the prime numbers are highlighted with yellow and composite numbers are highlighted with blue.

N.B.:- Also note that **1** is neither prime nor composite and **2** is the only even prime number

Co-prime numbers:- Two numbers that have only 1 as a common factor is known as co-prime numbers. For example, (2,3) (3,4) (5,6) (4,5) (18,35) (8,15)

Twin prime number:- Any two prime numbers whose difference is two are called twin prime numbers. Pairs of twin prime between 1 and 100:-

(3,5), (5,7), (11,13),(17,19),(29,31), (41,43),(59,61), and (71,73)



Now let us try to do the following exercise

Q1) Which of the following set of numbers are co-prime numbers?

- a. 7 and 8
- b. 88 and 99
- c. 51 and 76
- d. 46 and 87
- e. 197 and 199

Q2) For each of the following numbers, find a composite number that is co-prime to the given number.

- a. 80
- b. 63
- c. 135
- d. 88
- e. 52

- f. 81
- g. 256
- h. 216
- i. 294
- j. 1155