| Worksheet-14 | Subject: - Mathematics | Class: - VI | Teacher: - Mrs. Poonam Sunil |
|----------------|-----------------------------------|-----------------|-----------------------------------|
| Name: | Class & Sec: | Roll No | Date: 19.05.2020 |
| Good Morning S | tudents! (First listen to audio r | nessages then w | rite). In prevision class we have |

Ex - 3.1

Q3: Match the items in column 1 with the items in columns 2

| Column1 | | | Column 2 | |
|---------|----|----|---------------------|--|
| i. | 35 | a. | Multiple of 8 (iii) | |
| ii. | 15 | b. | Multiples of 7 (i) | |
| iii. | 16 | C. | Multiples of 70 | |
| iv. | 20 | d. | Factors of 30 (ii) | |
| ٧. | 25 | e. | Factor of 50 (v) | |
| | | f. | Factor of 20 (iv) | |

done how to find all factors and multiples.

Q4: Find all the multiples of 9 up to 100

Solutions: Multiples of 9 up to 100 are 9, 18, 27, 36, 45, 54, 63,72, 81, 90 and 99

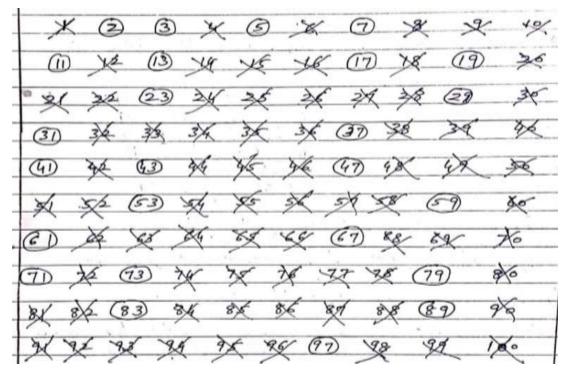
PRIME AND COMPOSITE NUMBERS

Prime Number: Number having exactly two factors one and the number itself are called prime number. Number are 2, 3, 5, 7, 11, 13, 17, etc.

Composite Number: Number having more than two factors are called composite number. Numbers are 4, 6, 8, 9, 10,

Greek Mathematician Eratosthenes, in the third century method. Kist all number from 1 to 100, as

shown below.



Prime Numbers from 1 to 100 are: 2, 3, 5, 7, 11,13, 17, 19,23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67,

71, 73, 79, 83, 89 and 97

1 is neither a prime nor a composite number

2 is the smallest prime number which is even.

$$Ex - 3.2$$

Q1: What is the sum of any two (a) Odd number? (b) Even number?

Solution: a) Sum of any two odd numbers is always even.

Example: 1 + 3 = 4

$$3 + 5 = 8$$

$$5 + 7 = 12$$

b) Sum of any two even number is always even. example:

$$2 + 4 = 6$$
,

$$4 + 6 = 10$$
,

$$6 + 8 = 14$$

Q2: State whether the following statements are true or false.

- (a) The sum of three odd number is even. (False)
- (b) The sum of two odd numbers and one even number is even. (True)
- (c) The product of three odd numbers is odd. (True)
- (d) If an even number is divided by 2, the quotient is always odd. (False)
- (e) All prime numbers are odd. (False)
- (f) Prime numbers do not have any factors. (False)
- (g) Sum of two prime numbers is always even. (False)
- (h) 2 is the only even prime number. (True)
- (i) All even numbers are composite numbers. (False)
- (j) The product of two even numbers is always even. (True)

I hope you understand Prime and composite numbers. Next I will meet you on Friday.

(Stay Fit and Stay Healthy), Good Bye children!