

Worksheet-14 Subject: - Mathematics Class: - VI Teacher: - Mrs. Poonam Sunil

Name: _____ Class & Sec: _____ Roll No. _____ Date: 19.05.2020

Good Morning Students! (First listen to audio messages then write). In prevision class we have done how to find all factors and multiples.

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)
v. 25	e. Factor of 50 (v)
	f. Factor of 20 (iv)

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.

1	(2)	(3)	4	(5)	6	(7)	8	9	10
(11)	12	(13)	14	15	16	(17)	18	(19)	20
21	22	(23)	24	25	26	27	28	(29)	30
(31)	32	33	34	35	36	(37)	38	39	40
(41)	42	(43)	44	45	46	(47)	48	49	50
51	52	(53)	54	55	56	57	58	(59)	60
(61)	62	63	64	65	66	(67)	68	69	70
(71)	72	(73)	74	75	76	77	78	(79)	80
81	82	(83)	84	85	86	87	88	(89)	90
91	92	93	94	95	96	(97)	98	99	100

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!