Mathematics
Grades 6C and 6WM
Notes for period 10th of October to 15th of October.

Types of Numbers

Odd Number - a number when divided by two leaves a remainder of 1. Odd numbers end with 1,3,5,7,9.

Even Number - a number when divided by two leaves no remainder.Odd numbers end with 2,4,6,8,0.

Multiple - a number that is obtained by multiplying a number by another number. For example, the multiples of 4 are 4,8,12…

Factor - a number that can be divided into another number without a remainder. For example, the factors of 12 are 1,2,3,4,6 and 12.

Prime number - a number that has two factors - one and itself.

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

Composite number - a number that has more than two factors.

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

Nb. 1 and 0 are neither prime nor composite!!!

Square number - a number that is the result of a number being multiplied by itself.

×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Lowest Common Multiple (LCM)

Lowest Common Multiple (LCM) is the smallest number that is a common multiple of a given set of numbers.

We use LCM :

➢ To know about an event that is repeating.

➢ To purchase or get multiple items in order to have enough.

➢ To determine when something will happen again at the same time.