

ENCHANTING SQUARES!!

On 4-Dec-2021, the members of the Math club of classes VI & VII met along with the teachers, Mrs Krithika Ganesh, Mrs Anuradha, Mrs Rakhee and Mrs Akila Janani. The Virtual meeting started with a prayer. This Saturday the club decided to have some recreational mathematics and therefore worked with Magic Squares. Most of the students who were familiar with finding the missing numbers in Magic Squares, got an opportunity to build their own magic squares. Some of them built 5 x 5, 7 x 7 squares effortlessly. Instead of working with continuous numbers in building the squares, odd number and even number sequences were also used. The challenge for them was to try out 15 x 15 squares which they enthusiastically accepted and many of them were able to build the squares. The students had a great time and a few pictures of the magic squares created by the children are shown below.

The More, the Magic is Merrier.

Magic Square

8	1	6	
3	5	7	
4	9	2	

8x3

17	24	1	8	15
23	5	7	14	16
4	6	13	20	22
10	12	19	21	3
11	18	25	2	9

5x5

7 x 7 (1-49)

30	39	48	1	10	19	28
38	47	7	9	18	27	29
46	6	8	17	26	35	37
5	14	16	25	34	36	45
13	15	24	33	42	44	4
21	23	32	41	43	3	12
22	31	40	49	2	11	20

9 x 9 (1-81)

47	58	69	80	1	12	23	34	45
57	68	79	9	11	22	33	44	46
67	78	8	10	21	32	43	54	56
77	7	18	20	31	42	53	55	66
6	17	19	30	41	52	63	65	76
16	27	29	40	51	62	64	75	5
26	28	39	50	61	72	74	4	15
36	38	49	60	71	73	3	14	25
37	48	59	70	81	2	13	24	35

15 x 15 (1-225)

122	139	156	173	190	207	224	1	18	35	52	69	86	103	120
138	155	172	189	206	223	19	17	34	51	68	85	102	119	121
154	171	188	205	222	14	16	33	50	67	84	101	118	135	137
170	187	204	221	13	30	32	49	66	83	100	117	134	151	153
186	203	220	12	29	31	48	65	82	99	116	133	150	167	169
202	219	11	28	45	47	64	81	98	115	132	149	166	183	185
218	10	27	44	46	63	80	97	114	131	148	165	182	199	201
9	26	43	60	62	79	96	113	130	147	164	181	198	215	217
25	42	59	61	78	95	112	129	146	163	180	197	214	231	233
41	58	75	77	94	111	128	145	162	179	196	213	230	247	249
57	74	76	93	110	127	144	161	178	195	212	229	246	263	265
73	90	92	109	126	143	160	177	194	211	228	245	262	279	281
89	91	108	125	142	159	176	193	210	227	244	261	278	295	297
105	107	124	141	158	175	192	209	226	243	260	277	294	311	313
106	123	140	157	174	191	208	225	242	259	276	293	310	327	329