

NATIONAL MATHEMATICS DAY 22nd December 2020

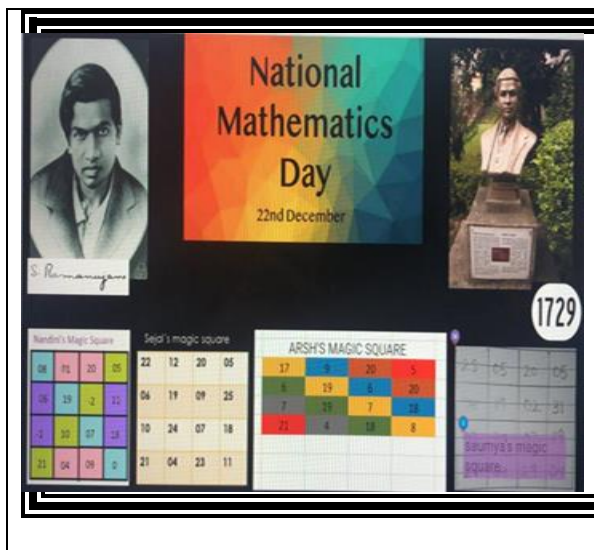
Conducted by: Mathematics Department
Classes: VI to XII

Department of Mathematics, DPS GURGAON celebrated **National Mathematics Day** on Tuesday, 22nd December, 2020. It commemorates the birth of Srinivasa Iyengar Ramanujan, the man who knew infinity, born on this date in the year 1887. Though he had almost no formal training in pure mathematics, he made substantial contributions to mathematical analysis, number theory, infinite series, and continued fractions, including solutions to mathematical problems then considered unsolvable.

The event commenced with a visual treat on the life and achievements of this great personality. Students displayed keen interest in discussing various Number theories and work established by him and its application in Science and Commerce. Students also verified and explored different patterns possible in Ramanujan's magic square and the relation of the numbers in it, to his date of birth.

This was followed by **Jam-Board activity** in which students were divided into groups and each group made its own **Magic squares** with the date of birth of the members, along with beautiful collages. Students enjoyed solving Magic Squares, brushing their arithmetic skills and enhancing their creativity.

The activities conducted were aimed at helping the students to understand the contribution of Srinivasa Ramanujan in the field of Mathematics and to encourage them to develop innovative ideas in order to make learning much more interactive and fun.



JAMBOARD ACTIVITY

Take your own magic square using the last 6 digits of your parents' phone
 Let the last 6 digits of the number be a to f.
 For example: If a=9, b=8, c=6, d=6, e=2 and f=4

9 (a)	8 (b)	6 (c)	6 (d)
2 (e)	10	-4	21
4 (f)	13	10	2
14	-2	17	0

A square divided into smaller squares each containing a number such that the numbers in each row, column and diagonal add up to the same value.

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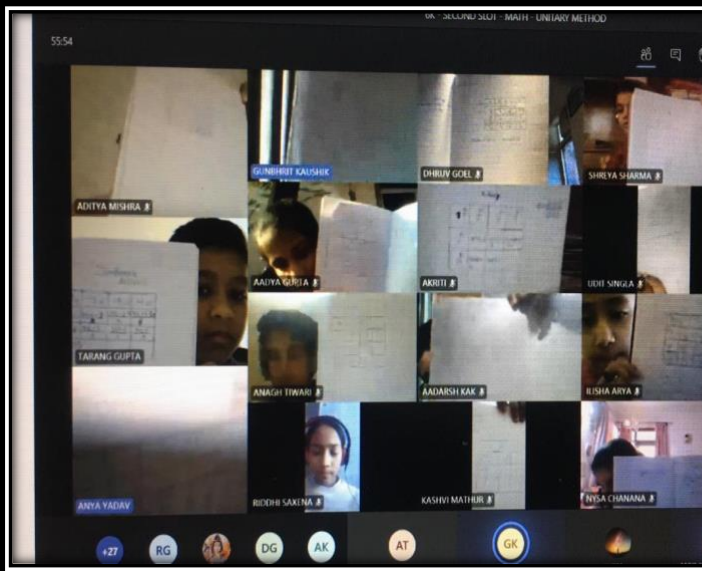
Die Jain's DOB MAGIC SQUARE

13	06	20	05
06	19	03	16
04	15	07	18
21	04	14	05



55:54

ON - DELHI/DELHI - MATH - UNITARY METHOD



Participants visible: GURPREET KAUSHIK, DHIRVI GOEL, SHREYA SHARMA, ADITYA MISHRA, ANIYA SOBHA, AKRITI, UJJI SINGLA, TARANG GUPTA, ANAGH TIWARI, ADARSH KAK, RISHA ARYA, ARYA YADAV, RIDHI SAKINA, KASHVI MATHER, NYSA CHANANA.

Khushi's Magic square

18	10	20	05
06	19	7	21
8	20	07	18
21	04	19	9




VIDEO LINK: <http://youtu.be/FymSz3bFbWk>

