


SOPHIA GIRLS' COLLEGE
(AUTONOMOUS), AJMER



DEPARTMENT OF MATHEMATICS

2021-22

1. Online Flex Making Competition on ‘Sir Srinivasa Ramanujan and his discoveries’



**Sophia Girls' College
(Autonomous),
Ajmer**

**DEPARTMENT OF
MATHEMATICS**

KALAM-THE SCIENCE FORUM

**Organizing Online
Flex Making Competition
on
Sir Srinivasa Ramanujan
and his discoveries**

Date: 22nd Dec. 2021 **Venue : Google Meet**
Time: 9:30 A.M.

- **Date:** 22nd December 2021
- **Total Number of the Students:** 37
- **Mode:** Online (Google Meet)
- **Learning Outcome:** To explore knowledge of students about the discoveries of Great Mathematician, Sir Srinivasa Ramanujan.

- Report:** In honour of great Mathematician Srinivasa Ramanujan Aiyangar, on his birthday 22nd December 2021 a flex making competition was organised under 'Kalam- The Science Forum'. All the students of Mathematics took part in flex making competition and they showed their keen interest throughout the competition for making flex which covered all the main achievements of Sir Ramanujan.

The Man Who Knew Infinity



NATIONAL MATHEMATICS DAY
22.DEC.2021

An equation means nothing to me unless it expresses a thought of God.



Srinivas Ramanujan 1887-1920
mathematical analysis, number theory, infinite series & continued fractions

Ramanujam was born on December 22 1887, in Erode.
He was a very great and famous mathematician.
He made contributions to the analytical theory of numbers.
His father worked in Kumbakonam as a clerk in a cloth merchant's shop.
When he was nearly five years old, Ramanujam entered the primary school.

Ramanujan's Magic Square

22	12	18	87
88	17	9	25
10	24	89	16
19	86	23	11

Sum of numbers of any row is 139.
Sum of numbers of any Column is 139.

Srinivasa Ramanujan

On His Birthday
22nd December

Being a lover of maths I want to praise this day and urge students to do well in mathematics and discover something new.





Reply to: "The number 1729 is dull!"
No, it is a very interesting number; it is the smallest number expressible as a sum of two cubes in two different ways, the two ways being $1^3 + 12^3$ and $9^3 + 10^3$.
Srinivasa Ramanujan

1729 is called Ramanujan's number

One way
 $1729 = 1^3 + 12^3$

In another way
 $1729 = 9^3 + 10^3$


Srinivasa Ramanujan was one of India's greatest mathematical geniuses. He never had any formal training. He invented substantial contributions to the analytical theory of numbers and worked on elliptic functions, continued fractions, and infinite series.

AWARDED "FELLOW OF THE ROYAL SOCIETY"

Without mathematics, there is nothing you can do.
Everything around you is mathematics.
Everything around you is numbers.

National Mathematics Day

2. Quiz Competition on 'Mathematics and Fun'



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FORUM**

**Organizing Online
Quiz Competition
on
Mathematics and Fun**

Date: 22th Dec. 2021 **Venue : Google Meet**
Time: 2:30 p.m.

- **Date:**22nd December 2021
- **Total Number of the Students:**67
- **Mode:** Online (Google Meet)

- **Learning Outcome:** To develop interest of students towards Mathematics.
- **Report:** On 22nd December 2021, a Quiz Competition was organised under the 'Kalam- The Science Forum'. This quiz competition covered most of the discoveries of Srinivasa Ramanujan Aiyangar like number theory, Infinite series, Mathematical Analysis etc. This quiz competition helped in improving the knowledge of students and also their interest towards Mathematics.

