To Infinity and Beyond

Report-2022-2023

SCHEDULE

- ➢ Welcome Address   12:45 P.M
- ➢ Instructions for Guess the Number   12:50 P.M
- ➢ Guess the Number 12:55 P.M
- ➢ Explanation of Solutions- Guess the Number   01:20 P.M
- ➢ Criss-Cross   01:30 P.M
- ➢ Explanation of Solutions- Criss-Cross   01:40 P.M
- ➢ Surprise Round   01:45 P.M
- ➢ Announcement of Winners   01:50 P.M
- ➢ Vote of Thanks   02:00 P.M

Event pictures

Post-Event Report

Event name: To Infinity and Beyond

Event Date: 21st September 2022

Location: AV Room, St. Ann's College for Women

Participation attendance: 120+

Organizing Department: Department of Mathematics

Faculty Coordinator: Mrs. B. Japamala Rani

Student Coordinator: Saniyah Abdul Salam, Nashra Fatima

Summary

On September21st, 2022 the Department of Mathematics conducted a competition –'To Infinity and Beyond. The competition was open to all students of the college and approximately 150 people were in attendance.

The event was carried out by volunteers from 2nd year BSc MSDS and MPCS. Starting with Bible Reading by Haveela the event moved forward with the Keynote address by Aaishah and Mubeen. The event had three rounds in all. The first round was conducted by Suvarna and Zunerah, the second round was handled by Saniyah and Nashrah, and the last round was a surprise round that was conducted by Saniyah. Vote of Thanks at the end of the event was delivered by Nashra Fatima.

During the event, participants were actively engaged in three Mathematics-based Challenges: Guess the Number (Finding that one number from Hundred numbers with the help of brain-tickling mathematical riddles); Criss-Cross (Solving a regular crossword but of course with a touch of mathematics) and Surprise round(A race to solve a riddle).
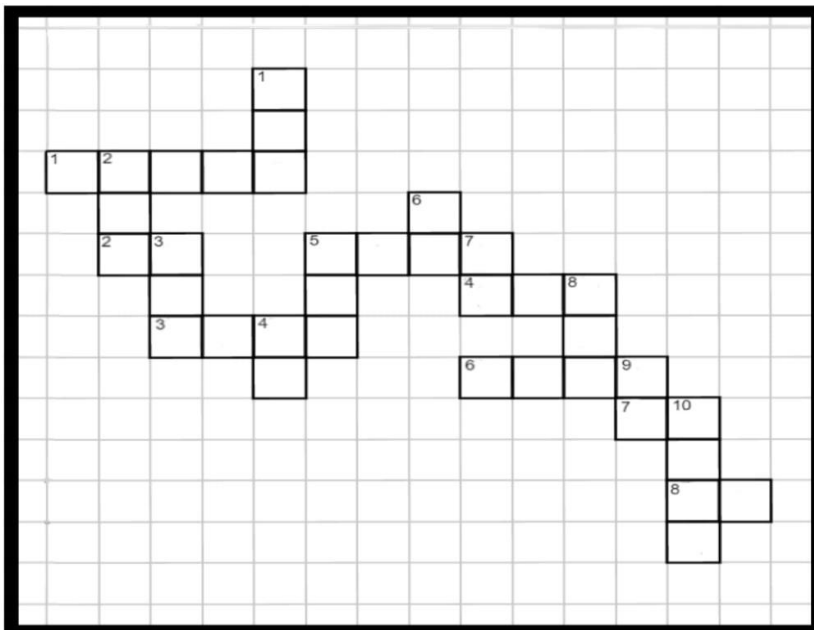
The challenges concluded with the announcement of the winners and the prizes were later given to the winners in the general assembly and a feedback session from the participants was done at the end too.

Questions asked in Guess the Number

1. The number is not a prime number.

2. The number is not a multiple of the roots of the given quadratic equation " $x^2 - 13x + 30$ "

3. The number is not a factor of ' 1232'

4. The sum of digits of the number is neither 10 nor 11.

5. The number is not a multiple of ' 2x5-2'.

6. The product of digits is not 10.

7. Solve this linear equation: "The difference of two numbers in the ratio 5:3 is 40. Find the numbers." The number does not lie between these two numbers.

8. The given triangle is a right-angled triangle. Find the length of the hypotenuse. The number is greater than the length of the hypotenuse.

Criss-Cross Challenge Questions

Math Crossword

Across

1. Number of seconds in a day
2. Sec 30 x Tan 60 = ?
3. 7 down x 40 + 66 = ?
4. 144, 233, 377, 610, ?
5. Volume of a cube of side 19
6. 7!=?
7. Root of x^2 - 38x + 361 = 0.
8. Solve 756x-28=9044

Down

1. Sum of Angles in a Quadrilateral
2. Number of Hours in 25 days
3. 1 down - 156 =?
4. 4^13 = 2^(?)
5. Average of 524, 612, 854, 634
6. (5,12,13) ; (7, 24, 25); (36, 77, ?)
7. 22% of 450
8. Mode of 724, 432, 324, 432, 724, 724, 233, 432, 724, 432, 324, 724, 233, 335, 432, 724
9. I am neither prime nor composite.
10. 5 down + 8355 = ?

Surprise Round

Q) In a certain code 'MATHS' is written as 'PXWEV', how is 'LINEAR' written in that code?