Nashik Maths Circle

January 10, 2026

Delhi Public School, Nashik

Session Overview

The Nashik Maths Circle session on January 10th was conducted by Mr. Bhas Bhamre, a dedicated math teacher and enthusiast. The session served as both a bridge to previous concepts and an introduction to higher-level discrete mathematics.

Triangular Numbers Revisited

Mr. Bhamre began the session by revisiting problems related to triangular numbers from his previous session. This review allowed students to:

- Gain deeper insights into the properties of figurate numbers.

- Understand the complex interrelations between different sequences of triangular numbers.

- Solidify their foundational knowledge through collaborative discussion.

Grid Problems and Graph Theory

The core of the session transitioned into a series of engaging challenges involving:

- **Mathematical Grids and Sudoku:** Analyzing patterns and constraints within square arrays.

- **Logic Puzzles:** Solving problems that required rigorous sequential thinking.

- **Introduction to Graph Theory:** These puzzles were designed to lead students naturally toward the field of graph theory, exploring vertices, edges, and connectivity.

Conclusion

The problems presented were highly challenging, requiring students to exercise both critical and sequential thinking. The session proved to be a very fruitful and enjoyable experience, successfully piquing the students' interest in the structural beauty of mathematics.