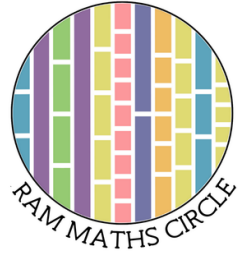


2025-26

Maths Circle Dombivli Report



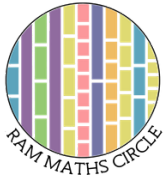
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About Maths Circles

Maths Circles originated in Russia and have since expanded globally, attracting students eager to explore mathematics beyond the standard curriculum. These circles involve weekly sessions where mathematicians and educators engage students in solving non-routine mathematical problems.

Raising A Mathematician Foundation is one of the few institutions who have started Maths Circle in India.



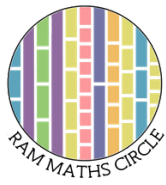
About Maths Circle @ RAM

RAM Maths Circle Dombivli (MCD) helps to cultivate a deep interest in mathematical problem-solving among students who are from marginalised sections. The uniqueness of MCD is that the sessions are conducted in Marathi and aims promote critical thinking, discussion, and collaboration. It is the first known Maths Circle in India that caters to non-English medium students.

A total of 85 students were the benefactors in 2025-26 and over 200 students have been part of MCD over the last four years.

Grade	Boys	Girls
Grade 7	32	31
Grade 8	17	11





Summary

Thanks to the sponsorship of Rotary Club of Dombivli, Suncity, RAM Maths Circle at Swami Vivekanand School has been a free program for the students since 2022.

Student Participation

Total students selected: 114

Students who attended at least one session: 85

Attendance Statistics

Highest Weekly Attendance: 65.79%

Lowest Weekly Attendance: 12.28%

Selection of Students

Students were selected from different schools across Dombivli through an entrance and screening process conducted by the Maths Circle team. The process focused on identifying students who demonstrated curiosity, logical reasoning, persistence, and enthusiasm towards mathematical problem-solving.

Classroom Structure

Sessions were structured in an interactive and collaborative manner:

- Students sat in small discussion groups depending on attendance.
- Problems were written and discussed collectively, encouraging multiple approaches and mathematical conversations.
- Students were encouraged to reason independently before seeking hints.
- Faculty members and teaching assistants interacted continuously with groups, guiding students through questioning rather than direct instruction.
- Emphasis was placed on exploration, pattern recognition, conjecture-making, and logical explanation.

Role of Faculty and Teaching Assistants

Faculty

- Sessions were led by experienced faculty members associated with Maths Circles and Mathematical Olympiad training.
- The faculty focused on developing mathematical thinking, problem-solving strategies, and confidence among students.
- The teaching approach encouraged students to discover ideas independently through guided questioning and collaborative exploration.

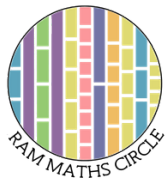
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Summary

Teaching Assistants

- Teaching Assistants included passionate undergraduate and postgraduate students in Mathematics and related fields.
- TAs supported students during group discussions and helped facilitate mathematical conversations.
- They provided hints, clarified doubts, and encouraged students to communicate their reasoning clearly.

Topics Covered

During the academic year 2025-26, students explored a wide variety of mathematical topics through interactive sessions and problem-solving activities. The topics covered included:

- Number Theory
- Logical Reasoning
- Geometry and Visualisation
- Patterns and Sequences
- Arithmetic and Word Problems
- Combinatorics
- Mathematical Games and Strategies
- Problem Solving Techniques
- Counting Principles
- Symmetry and Geometric Constructions
- Olympiad-style Problems

Puzzles involving logical deduction and patterns Session-wise synopsis reports were prepared after every session to document classroom discussions, mathematical ideas explored, and student participation.

Assignments

- Students were given assignments and exploratory problems based on topics covered during sessions.
- Assignments encouraged students to think independently and attempt multiple solution methods.
- Students discussed selected assignment problems collectively during subsequent sessions.

Appreciation and Recognition

- Certificates of participation and successful completion were awarded to students at the end of the programme.
- Students who demonstrated active participation, persistence, collaboration, and exceptional problem-solving ability were specially appreciated.
- The Maths Circle continued to create a supportive environment where students felt encouraged to attempt difficult problems without fear of failure

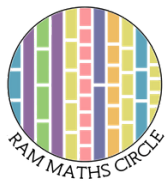
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Meet Our Team



SHRIPRASAD TAMBE
MENTOR & FACULTY

IIT Bombay (MSc Mathematics). Mentor and faculty for Olympiad aspirants, undergraduate & postgraduate students in Mathematics



KEDAR PENKAR
FACULTY

25+ years in mathematics education currently working with an Foundation on education. Kedar been a faculty for Mathematical Olympiads since over 15 years.



VINAY NAIR
FACULTY & CO-FOUNDER OF RAM

Co-founder of Raising A Mathematician Foundation and Vichar Vatika, Director of Epsilon India and mentor for students who are profoundly gifted in Mathematics.



SUNDARM SHARMA
FACULTY

MSc Mathematics from University of Mumbai. Loves teaching, writing and reading. MTTS Attendee, Freelance Content Writer.

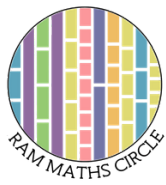
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Meet Our Team



PRATIK CHILAP
TEACHING ASSISTANT

A Master's student in Statistics at the University of Mumbai with internship experience at the SDG-ICC, Government of Maharashtra.



MRINMAYI WALANJ
TEACHING ASSISTANT

Pursuing MSc Mathematics from University of Mumbai.



RICHELLE ANCHAN
TEACHING ASSISTANT

M.Sc, B.Ed . Mathematics facilitator at SVB international school Dombivli for 5 years. MYP (grades 6-10) section coordinator.



RUTUJA JOSHI
TEACHING ASSISTANT

A master's degree in mathematics and work as a private tutor, guiding students through challenging concepts.

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Sponsors

Rotary Club of Dombivli, Suncity



- The Rotary Club of Dombivli continued supporting the Maths Circle initiative and contributed towards the successful functioning of the Dombivli Maths Circle.

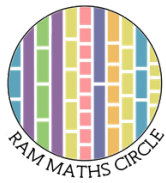
Supporters

Swami Vivekanand Vidyamandir



Swami Vivekanand
Vidyamandir, Dombivli

- Swami Vivekanand Vidyamandir continued to provide the premises and infrastructural support required for conducting the Maths Circle sessions.

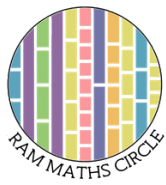


Conclusion

The RAM's Dombivli Maths Circle 2025-26 successfully continued its effort to nurture mathematical curiosity and problem-solving abilities among school students. Through collaborative discussions, non-routine problems, and exploratory learning, students were encouraged to experience mathematics as a creative and enjoyable discipline.

The initiative continues to provide an enriching mathematical environment where students can develop confidence, logical reasoning, and a deeper appreciation for mathematics beyond the regular school curriculum.





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