Cheenta
Math Olympiad Program
Level 4

cheenta.com

since 2010

Passion for Mathematics

This program is useful for Math Kangaroo, MOEMS, AMC 8, Australian Math Competition, Mathcounts

Success Stories since 2010

Aryan Kalia

Top 1% globally in American Math Competition,

Attended Math Olympiad Program and School Research Program at cheenta

Attended Student internship program at cheenta

Going to Harvard University in 2022

Sambuddha Majumdar

Scotland Math Olympiad Awardee

Attended Math Olympiad Program at cheenta

Attended Student internship program at cheenta

University of Edinburgh

Anushka Aggarwal

Youngest Indian National Math Olympiad awardee, Europian Girls Math Olympiad awardee

Attended Math Olympiad Program at cheenta

Attended Student internship program at cheenta

Going to MIT (Massachusetts Institute of Technology) in 2022

Akshaj Kadaveru

American Math Competition, AIME and USAJMO awardee

Attended Math Olympiad Program at cheenta

MIT (Massachusetts Institute of Technology)

Curriculum
driven by problem solving

48 weeks program, 7 modules

Number Theory MK
6 weeks

- Divisibility and Remainders - I
- Divisibility and Remainders - II
- Divisibility and Remainders - III
- Mathematical Games - I
- Mathematical Games - II
- Review and Evaluation

Combinatorics MK - θ
7 weeks

- Intuitive Principles I
- Intuitive Principles II
- Parity - Alternations
- Parity - Partitioning into Pairs
- Parity - Odd and Even
- Addition and Multiplication Principles
- Review and Evaluation

Combinatorics MK - δ
7 weeks

- Permutations and Factorials
- Combinatorial Principles
- Pigeon Hole Principle I
- Pigeon Hole Principle II
- Graphs I
- Graphs II
- Review and Evaluation

Geometry MK - θ
7 weeks

- Angles, Perpendicular Lines, Polygons
- Isosceles Triangle and symmetry
- Congruence Tests for triangles
- Triangular Inequality I
- Triangular Inequality II
- Triangular Inequality III
- Review and Evaluation

Curriculum **continues**

Geometry MK - δ

7 weeks

- Congruence Tests for triangles
- Inequalities in triangles
- Right triangles
- Segment and Angle Bisectors
- Basic Construction Problems
- Parallel Lines
- Review and Evaluation

Algebra MK - θ

7 weeks

- Polynomials I
- Polynomials II
- Factoring I
- Factoring II
- Rational Expressions
- Division of Polympials and Remainder
- Review and Evaluation

Algebra MK - δ

7 weeks

- Exponentiation, Big and Small Numbers
- Multiplication of powers
- Square of Sum and Difference of Squares
- Cube of sum formula
- Binomial fourth power
- Pascal's Triangle
- Review and Evaluation

Taught by Olympians **and Researchers from leading universities**

Since 2010 Cheenta has evolved into a Gurukul. Our students have attended leading universities in India such as Indian Statistical Institute, Chennai Mathematical Institute, TIFR, IITs and universities abroad such as Harvard, MIT, Oxford, Edinburgh to name a few. Some of them returned as teachers for the next generation of learners. And the pursuit of excellence continues.

Cheenta Team has 40+ members. Here are some of the leaders.

Srijit Mukherjee
BStat and MStat from Indian Statistical Institute (India)
Director at Cheenta

Dr. Ashani Dasgupta
PhD from University of Wisconsin-Milwaukee (USA)
Founder - Director at Cheenta

Dr. Sankhadip Chakraborty
PhD from IMPA, BSc. Math from Chennai Mathematical Institute (India),
Director at Cheenta

Dr. Anirban Majumdar
PhD from ENS Paris-Saclay, France on Theoretical Computer Science, B.Sc.-M.Sc. from Chennai Mathematical Institute

Swarnabja Bhowmick
B.Tech from Calcutta University on Computer Science with multiple IEEE publications on Artificial Intelligence and Machine Learning

AR Sricharan
BSc. Math, M.Sc. Computer Science from Chennai Mathematical Institute (India). Pursuing PhD in University of Vienna

Refund policy

since trust is the cornerstoner of education

Within 2 weeks of admission, if you wish to withdraw from the course due to dissatisfaction with our offerings, we will start your **[full refund - service fee of ₹1000 (India) or US$20 (Rest of the World) - Transaction fee if any]** process provided **all four of these activities** are done on your part:

a. Attended live full length lecture sessions for full time (not video recording)
b. Attempted the assignments during that period
c. Attended at least two 1-on-1 session
d. Used the Cheenta Support forum for doubts
e. The Refund reason should be associated with the coursework; personal reasons won't be counted & hence the refund request will be nullified.

The refund process is usually completed within 8 weeks of the refund request. We will refund the [full refund - service fee of ₹1000 (India) or US$20 (Rest of the World) - Transaction fee if any], if you begin the refund process within 2 weeks (see the first point).

If a refund request is not placed within the second week, or if such a request is placed without completing steps a, b, c d, or e or if the refund request is made due to personal reasons, then we won't be able to process any refund.

Contest Calendar
for beautiful problem solving

Cheenta students think of Math Olympiads as **milestones**. The end goal of the program is to fall in love with mathematics and develop great problem solving skills. Milestones help us to stay in track.

Not all math contests are equal. Here is a list of contests that are suitable and most effective at this level of learning.

Our success centre will keep you updated about registration deadlines of these contests and other opportunities

American Math Competition 8

Math Kangaroo

Australian Math Competition

Mathcounts and MOEMS (USA)

Thank You

Passion for Mathematical Science

Let us know if you need more information.

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