Cheenta

Math Olympiad Program

Level 5

cheenta.com

since 2010

Passion for Mathematics

This program is useful for AMC 8, IOQM, UKMT, University of Waterloo Contests, Mathcounts, Australian Math Competition

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

Algebra A8 - θ
7 weeks

- Algebraic Identities
- Binomial Theorem
- Polynomials, Remainders
- Progression
- Quadratic Equation
- Vieta's theorem
- Review and Evaluation

Algebra A8 - δ
7 weeks

- Quadratics and Graphs
- Quadratic Inequalities
- Extremas
- Symmetric Equations
- Inequalities
- Maximum and Minimum
- Review and Evaluation

Combinatorics A8 - θ
7 weeks

- Combinations
- Pascal's Triangle
- Balls and Walls
- Invariants
- Colorings
- Remainders and Invariants
- Review and Evaluation

Combinatorics A8 - δ
7 weeks

- Isomorphism and Trees
- Euler's Theorem
- Oriented Graphs
- Parity
- Pigeon Hole Principle
- Mathematical Games
- Review and Evaluation

Curriculum **continues**

Geometry A8 - θ
7 weeks

- Triangular Inequality
- Rigid Motion
- Angles
- Area
- Quadrilaterals
- Circles and Chords
- Review and Evaluation

Geometry A8 - δ
7 weeks

- Line and a Circle
- Two circles
- Angles in a Circle
- Mensuration
- Similarity of triangles
- Coordinates
- Review and Evaluation

Number Theory A8 - θ
6 weeks

- Induction
- Congruence
- Diophantine Equations
- Number Bases
- Divisibility Tests
- 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

Shayeef Murshid
B.Math and M.Math from ISI
INMO Merit List
Doctoral Scholar at Indian Statistical Institute

Sanu Shaw
B.Sc. in Mathematics Honours from the University of Calcutta
Secured an All India Rank of 15 in the ISI Entrance Exam (2023).

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

Deepan Dutta
Bachelor of Science from the University of Calcutta

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

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American Math Competition 8 [AMC 8]

IOQM (First Level of Math Olympiads in India)

Math Kangaroo

Australian Math Competition

NMTC Gauss

Mathcounts and MOEMS (USA)

UKMT

Refund policy

since trust is the cornerstoner of education

Within 1 week 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 session for full time (not video recording)
b. Attempted the assignments during that period
c. Attended at least one 1-on-1 session
d. Used the Cheenta Support forum for doubts
e. The Refund reason should be associated with the coursework, any personal reason 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 1 week (see the first point).

If a refund request is not placed within the first 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.

Thank You

Passion for Mathematical Science

Let us know if you need more information.

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