



ALL INDIA COUNCIL FOR TECHNICAL SKILL DEVELOPMENT

अखिल भारतीय तांत्रिक कौशल्य विकास परिषद

Ramanujan National Maths Challenge

A National Maths Scholar Search Program 2024 - 25



**Prize Money -
Upto Rs.2 Lakhs**



**National
Certificate - For
Every
Participant**



**National
Trophy**



National Medal

Please Note - All participants will receive a participation certificate, even if not selected in the final. These certificates are highly regarded in India and are awarded by AICTSD at the national level. The certificate holds substantial value and has the potential to significantly boost your academic and professional career.

Syllabus - Class 8

Algebraic Expression

- Introduction
- How Are Expressions Formed?
- Terms Of An Expression
- Like And Unlike Terms
- Monomials, Binomials, Trinomials And Polynomials
- Addition And Subtraction Of Algebraic Expressions
- Finding The Value Of An Expression
- Using Algebraic Expressions Formulas And Rules

Area And Volume

- Area
- Finding Area When Whole Squares Are Not Covered
- Perimeter
- Volume
- Volume Of A Cube
- Volume Of A Cuboid

Comparing Quantities

- Introduction
- Equivalent Ratios
- Percentage Another Way Of Comparing Quantities

- Use Of Percentages
- Prices Related To An Item Or Buying And Selling

Rational Numbers

- Introduction
- Need For Rational Numbers
- What Are Rational Numbers?
- Positive And Negative Rational Numbers
- Rational Numbers On A Number Line
- Rational Numbers In Standard Form
- Comparison Of Rational Numbers

India's Biggest Maths Challenge

Through this competition, we are searching for the " **National Maths Scholar – 2025** " from the student community.

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