ALL INDIA COUNCIL FOR TECHNICAL SKILL DEVELOPMENT

अखिल भारतीय तांत्रिक कौशल्य विकास परिषद

Ramanujan National Maths Challenge

A National Maths Scholar Search Program

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 5

Decimals

- Extending The Place Value Chart To Tenths
- Extending The Place Value Chart Hundredths And Thousandths
- Converting Fractions Into Decimals
- Converting Decimals Into Fractions
- Equivalent Decimals
- Expanded Form Of Decimals
- Comparing Decimals
- Addition Of Decimals
- Subtraction Of Decimals
- Use Of Decimals

Area And Volume

- Area
- Finding Area When Whole Squares Are Not Covered
- Area Of Irregular Shapes
- Area Of A Rectangle Or Square
- Finding Length Or Breadth
- Perimeter
- Volume
- Volume Of A Cube
- Volume Of A Cuboid

Time

- The Calendar
- The Clock
- A.M And P.M
- Conversion Of Time

Ratio And Proportion

- Introduction
- Ratio
- Proportion
- Unitary Method

Comparing Quantities

- Introduction
- Equivalent Ratios
- Percentage Another Way Of Comparing Quantities
- Use Of Percentages
- Prices Related To An Item Or Buying And Selling
- Charge Given On Borrowed Money Or Simple Interest

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

- Rational Numbers Between Two Rational Numbers
- Operations On Rational Numbers

Money

- Conversion Of Rupees Into Paise
- Conversion OfPaise To Rupees
- Addition Of Money
- Subtraction Of Money
- Multiplication Of Money

Percentages

- Expressing Fractions As Percentages
- Converting Percentages TonFractions
- Expressing Percentages As Decimals
- Expressing Decimals As Percentages
- Finding Percentage Of A Number
- Money And Metric Measures As Percentages
- Why Do We Use Percentages?

Time & Work

- Problem on time & work calculation
- Finding Number Of Days From One Date To Another
- Railway And Air Timings
- Time Intervals