



# 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 4

## 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
- Use Of Decimals
- Subtraction Of Decimals

## Addition

- Adding 4-Digit Numbers Without carrying Over
- Digit Addition with carrying Over
- Addition of Three Or More Numbers
- Properties of Addition

## Subtraction

- Subtracting 4-Digit Numbers Without Borrowing
- Digit Subtraction with Borrowing
- Properties of Subtraction
- Addition and subtraction

## Multiplication

- Multiplying 3- And 4-Digit Numbers by A 1-Digit Number
- Properties of Multiplication
- Multiplying By 10, 20, 30, ., 90
- Multiplying By 100, 200, , 900
- Multiplication Tables 11-20
- Distributive Property of Multiplication
- Multiplying by A 2-Digit Number

## Division

- Properties of Division
- Dividing A 2-Digit Number by A 1-Digit Number
- Dividing A 3-Digit Number by A 1-Digit Number
- Division with Remainder
- Relationship Between Divisor, Dividend, Quotient and Remainder

## Time

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

## Money

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

- **Multiplication Of Money**

## **Fractions**

- **Fraction On the Number Line**
- **Comparison of Fractions**
- **Equivalent Fractions**
- **Fraction of Collection of Objects**
- **Addition of The Fraction with The Same Denominator**
- **Addition of Fractions On the Number Line**
- **Subtraction of Fractions with The Same Denominator**
- **Subtraction on the Number Line**

## **Numbers**

- **Digit Numbers**
- **Representing 1000 On The Abacus**
- **Place Value**
- **Place Value And Expanded Form**
- **Ordering Of Numbers**
- **Odd And Even Numbers**
- **Successor And Predecessor**
- **Roman Numerals**

## **Percentages**

- **Expressing Fractions As Percentages**
- **Converting Percentages To Fractions**
- **Expressing Percentages As Decimals**
- **Expressing Decimals As Percentages**
- **Finding Percentage Of A Number**

- **Money And Metric Measures As Percentages**
- **Why Do We Use Percentages?**