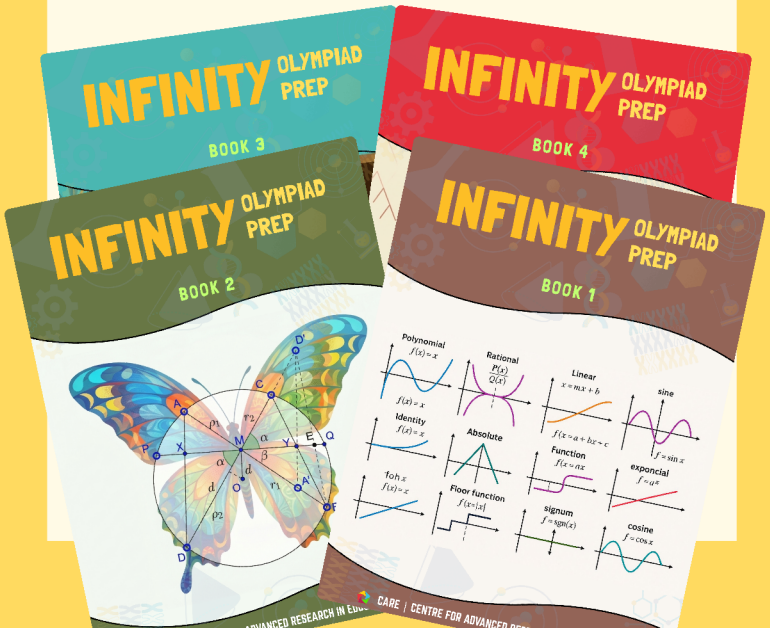


# INFINITY

Olympiad Mathematics Program

*For Classes 9–10 | Future IOQM &  
Olympiad Aspirants*

**CARE – Centre for Advanced Research  
in Education, Bengaluru**



## What is INFINITY?

INFINITY is a **specialized 1-year program** designed for students who aspire to excel in **Mathematical Olympiads**, particularly the highly competitive **IOQM (Indian Olympiad Qualifier in Mathematics)**.

Unlike conventional programs that focus on:

Solving more problems  
Memorising techniques

INFINITY focuses on:

**Understanding the core concepts deeply**  
**Building mathematical thinking**  
**Developing powerful problem-solving strategies**

## Who is this program for?

- Students of **Class 9 & 10**
- Students preparing for:
  - Mathematical Olympiads
  - IOQM
  - Advanced mathematics competitions
- Students who:
  - Enjoy mathematics deeply
  - Want to go beyond school curriculum
  - Are ready for challenging thinking



## Core Topics Covered

- Algebra
- Geometry
- Inequalities
- Number Theory
- Combinatorics

These form the **backbone of Olympiad Mathematics**

## What Makes INFINITY Different?

### Concept-First Approach

- Deep understanding of definitions, theorems, and results
- Focus on why something works

### Structured Learning Path

- From fundamentals → intermediate → advanced
- No gaps in understanding

### Interconnected Thinking

- Linking Algebra with Number Theory
- Geometry with combinatorial ideas
- Multi-dimensional understanding

### Strategy + Application

- Multiple approaches to the same problem
- Choosing the right method for the situation

## Inside Every Chapter

Each chapter is designed like a **mathematical journey**:

Concept explanations (clear and rigorous)

Theorems and proofs

Variations and extensions

Carefully graded problems

Strategy-focused discussions

5 Worksheets per chapter

## Practice & Problem Solving

### 125 Worksheets

- Designed for: Concept application  
Deep thinking  
Multi-step reasoning

Students learn:

- How to approach a problem
- How to break it down
- How to apply the right strategy



## Olympiad Preparation Focus

- Detailed discussion of **previous IOQM questions**
- Exposure to:
  - Easy → Moderate → Advanced problems
- Understanding patterns *through concepts*, not memorisation

Builds **true Olympiad readiness**

## Academic Support

### Online Sessions

- 10 sessions per year
- 2 hours each
- Total: **20 hours of expert guidance**

### Doubt Solving

- Email
- WhatsApp



Focused, high-quality academic interaction

## Skills Developed

Students completing INFINITY will gain:

- Deep conceptual clarity in mathematics
- Ability to solve non-routine problems
- Logical and analytical thinking
- Strategic problem-solving mindset
- Confidence for Olympiad-level challenges

## Why INFINITY?

- Not a shortcut-based course
- Not a problem-drilling program

Concept mastery                      Mathematical maturity  
True Olympiad preparation

## Designed by Experts

Developed by a **team of subject matter experts**, ensuring:

- Depth of content
- Olympiad relevance
- Academic rigor
- Logical progression

## Fee Structure

**₹9,000 (Complete Program)**

## Important Dates

Admissions Close: **May 31, 2026**

Course Begins: **June 1, 2026**

Study Material Dispatch: **First Week of June**

## Who Should Enrol?

- Students serious about mathematics
- Students aiming for Olympiads
- Students who enjoy *thinking deeply*

## Final Thought

**Olympiads are not about solving more problems. They are about understanding mathematics deeply.**

INFINITY transforms students from:

- Problem solvers → Thinkers
- Learners → Explorers
- Students → Mathematicians

**CARE – Centre for Advanced Research in Education, Bengaluru**

***Building Thinkers. Not Just Toppers.***