



MathX

BY



GRADE 3 CURRICULUM



Aligned with CBSE
Curriculum



Aligned with ICSE
Curriculum



Designed with International learning
Standards (IB & IGCSE) in mind

Grade 3 curriculum

MathX
by



MathX Program – Grade 3

Building Thinkers, Not Just Calculators

At Nool and Numbers Academy, math is more than numbers — it's a way of thinking!

Our **MathX - Grade 3** program helps children move from basic counting to confident problem-solving. They begin to reason, analyze, and apply what they learn in meaningful ways.

Through a perfect blend of Academic Math, Real-Life Math, Logical Math, and Competitive Math, students strengthen their foundation while exploring the joy of real-world and challenge-based learning.

1. Academic Math - Concept Clarity & Confidence

Our Academic Math syllabus for **Grade 3** deepens understanding of the four basic operations, introduces fractions and geometry, and develops the ability to solve multi-step problems. We focus on visualization, activity-based learning, and plenty of practice for lasting clarity.

Syllabus Overview - Grade 3

Numbers and Numeration: Reading and writing numbers (up to 10,000)-Place value (ones, tens, hundreds, thousands)-Comparing, ordering, and rounding numbers, Even and odd numbers-Expanded form and standard form

Basic Operations: Addition and subtraction (up to 4-digit numbers)-Word problems (real-life situations)- Multiplication tables 2-12, properties of multiplication, Division: division as sharing and grouping, word problems

Fractions: Introduction to fractions ($\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, etc.)-Fractions of shapes and numbers-Simple comparison of fractions

Geometry: 2D shapes: triangle, square, rectangle, circle, pentagon, hexagon-3D shapes: cube, cuboid, sphere, cone, cylinder-Lines (straight, curved), angles (right, acute, obtuse)-Symmetry and mirror images-Position and direction (left, right, above, below, near, far)

Measurement: Length: cm, m, km-Weight: g, kg-Capacity: ml, litre-Time: reading clock (hours, minutes)-Perimeter of simple shapes-Money: addition and subtraction with coins and notes

Patterns and Sequences: Number patterns and skip counting (2,3,4,5,6,7,8,9,10,11,12)-Shape Patterns-Odd and even sequences

Data Handling: Collecting and recording data-Pictographs and bar graphs

Outcome: Strengthens core arithmetic, introduces abstract thinking, and builds readiness for upper primary concepts.

2. Real-Life Math - Connecting Math to the World



Children explore how math is used around them — from calculating total prices while shopping to reading a clock or dividing a pizza into equal parts!

Real-Life Math encourages them to relate textbook concepts to daily activities, making learning meaningful and fun.

Outcome: Builds awareness that math is practical, useful, and everywhere around us.

3. Logical Math - Sharpening the Mind

MathX for Grade 3 challenges young minds with logic-based tasks designed to improve problem-solving ability and analytical thinking. Topics include classification, coding-decoding, number puzzles, comparison logic, simple blood relations, and position-based reasoning.



The course helps students think beyond direct calculations, strengthening their confidence in reasoning and laying the groundwork for Olympiad-style logical thinking.

Outcome: Improves focus, critical thinking, and step-by-step reasoning — essential for academic success and competitions

4. Competitive Math - Growing Problem Solvers



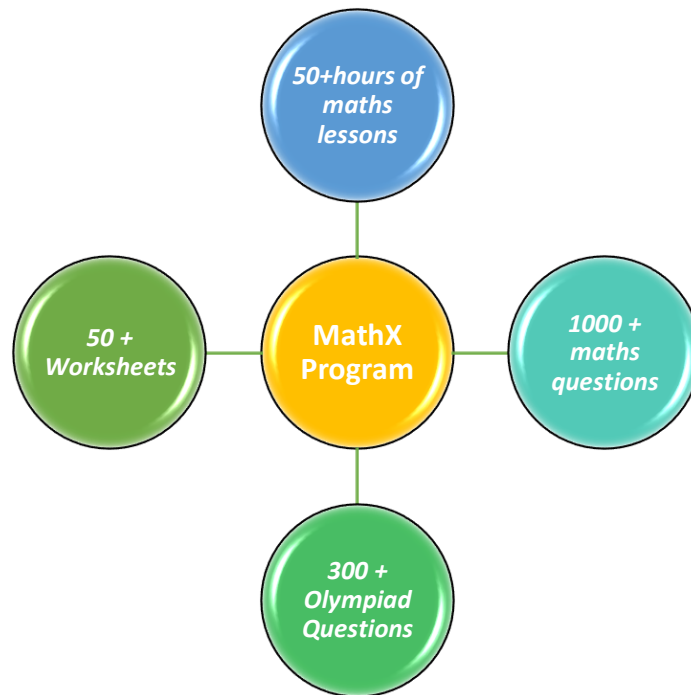
Through Competitive Math, Grade 3 students get introduced to early Olympiad-style questions and creative problem-solving. They learn smart tricks for mental math, pattern identification, and multi-step reasoning puzzles designed for young achievers.

Weekly challenges and practice worksheets nurture a growth mindset and confidence for future exams.

Outcome: Develops mathematical intuition, speed, and accuracy — a perfect foundation for Olympiads and advanced learning

Why Choose MathX - Grade 3?

- ✓ Strengthens conceptual clarity & calculation skills
- ✓ Connects math learning to daily life
- ✓ Builds logical and reasoning abilities
- ✓ Prepares early for competitive exams
- ✓ Makes math engaging through activities & puzzles



How Our MathX Program Work?



1:1 Personal Attention



Interactive live sessions
- not recorded



Logical thinking & Problem Solving focus



Expert Teacher for every subject



Affordable & Flexible timings

Our Teaching Methodology

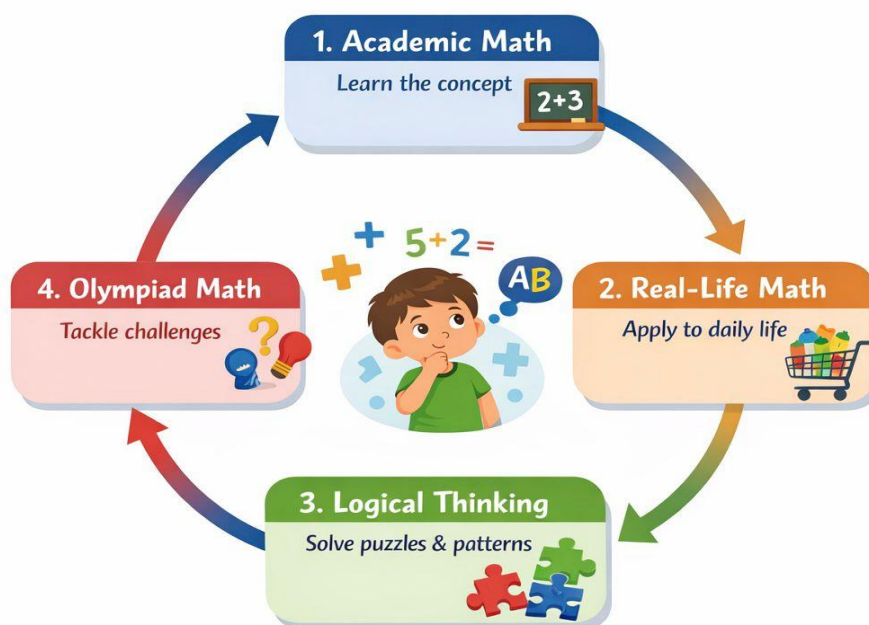
MathX follows an Integrated Learning Model where every concept is taught in four connected layers:

- ✓ Academic Understanding - Concept clarity aligned with school curriculum
- ✓ Real-Life Application - Connecting math to everyday experiences
- ✓ Logical Reasoning - Developing thinking and observation skills
- ✓ Olympiad Exposure - Encouraging advanced and creative problem-solving

Each topic is completed only after the child demonstrates understanding across all four layers.

How We Teach MathX

One Concept – Four Ways of Learning!



Understand • Apply • Think • Achieve!

In a Simple Way:

"We always teach Academic Math first.

Once the child understands the concept clearly, we immediately apply the same topic in three ways:

- ✓ Real-life situations
- ✓ Logical thinking activities
- ✓ Olympiad-style questions

For example, when we teach addition:

- ✓ First, we teach how to add numbers properly
- ✓ Then we show how addition is used in daily life (shopping, toys, money)
- ✓ Then we give thinking-based and Olympiad-style questions on the same addition

This way, children don't just learn 'how to do', they understand why and where to use it."

At Nool and Numbers Academy: Where Young Minds Learn to Think, Reason, and Excel...!