



MathX

BY



GRADE 1 CURRICULUM



Aligned with CBSE
Curriculum



Aligned with ICSE
Curriculum



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

Grade 1 curriculum

MathX
by



MathX Program – Grade 1

Building Strong Beginnings in Numbers and Thinking. At Nool and Numbers Academy, we believe that early math learning should be joyful, creative, and meaningful.

Our **MathX – Grade 1** program helps young learners explore numbers, shapes, and patterns in a fun and engaging way — nurturing both understanding and curiosity. Through a blend of Academic Math, Real-Life Math, Logical Math, and Competitive Math, we make math a journey of discovery, not memorization.

1. Academic Math – Foundation for Understanding

Our Academic Math syllabus is carefully structured to help **Grade 1** children to grasp fundamental math skills with clarity and confidence. Concepts are introduced through visual learning, hands-on activities, and storytelling methods that make numbers come alive.

Syllabus Overview – Grade 1

Numbers and Numeration: Reading and writing numbers (1-100, then 1-1000)-Place value (ones, tens, hundreds)-Comparing numbers (greater than, less than, equal to) Ascending and descending order-Ordinal numbers (1st, 2nd, 3rd ...)

Basic Operations: Addition (single and double digits, with and without carry)-Subtraction (single and double digits, with and without borrow)-Word problems (simple real-life problems)

Introduction to Multiplication: Repeated addition concept-Counting in 2s, 5s, 10s (skip counting)

Shapes and Geometry: 2D shapes: circle, square, rectangle, triangle, oval-3D shapes: cube, cuboid, sphere, cone, cylinder-Position words: above, below, besides, between, near, far

Measurement: Length: comparing, using non-standard units-Weight: heavy, light, using simple units-Capacity: more, less, using simple units-Time: days of week, months, reading hours (full and half)

Patterns and Sorting: Number patterns (even, odd, counting patterns)-Shape and colour patterns-Sorting objects by size, shape, colour

Money: Recognizing coins and notes- Simple addition/subtraction using money

Data Handling: Collecting and recording data (tally marks, simple charts)

Outcome: Builds a strong base in numbers, shapes, and measurements — ensuring a smooth transition to higher concepts



2. Real-Life Math - Math Around Me

Children see math everywhere — in shopping, cooking, games, and even nature!

Our Real-Life Math lessons help Grade 1 students connect classroom learning to everyday life.

They learn how to use numbers for counting toys, measuring ingredients, telling time for school, and comparing prices in play-shop activities.

Outcome: Students begin to appreciate how math helps in day-to-day decisions — building confidence and curiosity

3. Logical Math - Thinking Made Fun

MathX for Grade 1 introduces children to the joy of logical thinking through fun activities curated by a team of math experts. Students can explore simple patterns, sequencing, shape sorting, visual matching, counting tricks, and beginner-level reasoning games.



The program helps children strengthen number sense, improve observation, and develop early problem-solving confidence — making math an enjoyable adventure from day one.

Outcome: Sharpens observation, improves concentration, and lays the groundwork for logical reasoning

4. Competitive Math - Early Brain Boosters

Our Competitive Math introduces young learners to creative problem-solving beyond their textbooks.



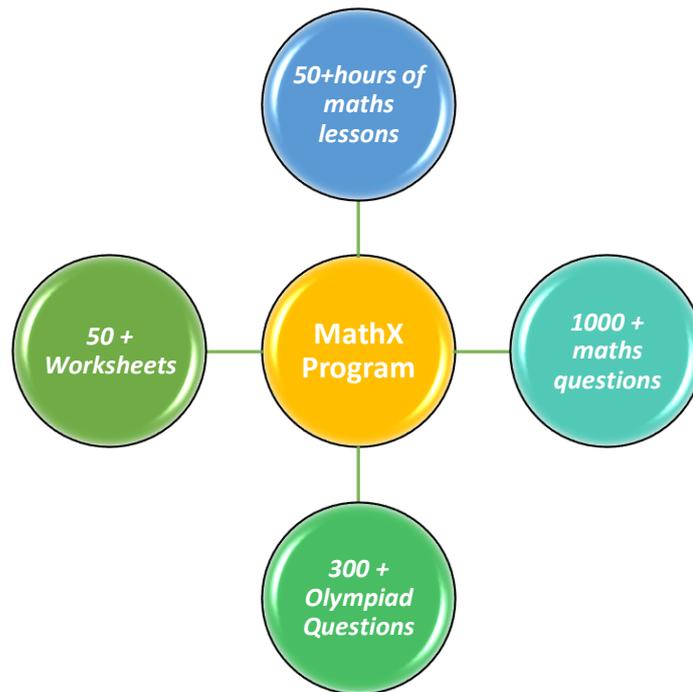
Children solve age-appropriate Olympiad-style puzzles, picture problems, and logical challenges that spark deeper thinking.

These activities build the foundation for future math competitions and higher-level reasoning.

Outcome: Encourages quick thinking, smart approaches, and confidence to tackle new challenges

Why Choose MathX - Grade 1?

- ✓ Strong foundation in core math skills
- ✓ Real-life applications for better understanding
- ✓ Logical reasoning through games and puzzles
- ✓ Early exposure to Olympiad-style learning
- ✓ You can join anytime of the year
- ✓ Fun, engaging, and child-centered approach



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

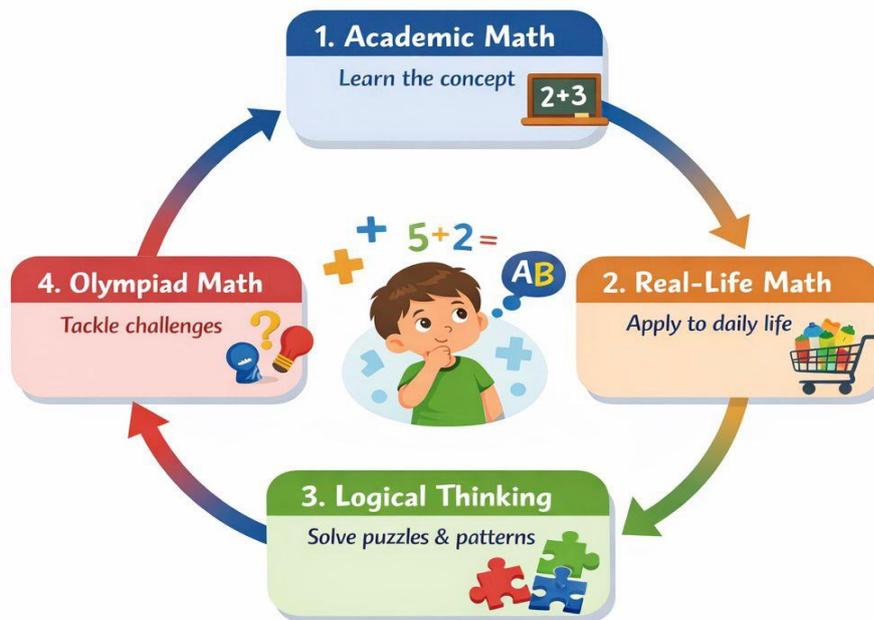
MathX follows an Integrated Learning Model where every concept is taught in four connected layers:

- ✓ 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 Every Child Learns to Think, Reason, and Shine with Math...!