



MathX

BY



GRADE 2 CURRICULUM



Aligned with CBSE
Curriculum



Aligned with ICSE
Curriculum



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

Grade 2 curriculum

MathX
by



MathX Program – Grade 2

Building Strong Basics and Bright Thinking

At Nool and Numbers Academy, we believe math should be fun, logical, and meaningful from the very beginning.

Our **MathX – Grade 2** program helps young learners strengthen their basic skills, develop logical thinking, and connect numbers to real life.

Through Academic Math, Real-Life Math, Logical Math, and Competitive Math, we nurture early confidence and curiosity that will guide children throughout their learning journey.

1. Academic Math – Understanding Numbers with Clarity

The Academic Math curriculum for **Grade 2** builds upon early counting and operations to establish a solid understanding of numbers, shapes, and patterns.

We focus on activity-based and visual learning so children can see, feel, and enjoy math.

Syllabus Overview – Grade 2

Numbers and Numeration: Reading and writing numbers (1-1000, then up to 5000)- Place value (ones, tens, hundreds, thousands)-Comparing and ordering numbers, Even and odd numbers-Expanded form and standard form

Basic Operations: Addition (3-digit numbers, carrying over)-Subtraction (3-digit numbers, borrowing)-Word problems (simple real-life scenarios)

Introduction to Multiplication and Division: Multiplication tables (2-10)- Multiplication as repeated addition-Simple division as sharing equally-Word problems on multiplication and division

Geometry and Shapes: 2D shapes: circle, triangle, square, rectangle, oval, pentagon- 3D shapes: cube, cuboid, sphere, cone, cylinder-Symmetry (lines of symmetry), Position and direction (left, right, top, bottom)

Measurement: Length (cm, m), comparing and measuring-Weight (kg, g), Capacity (litre, ml)-Time: reading clock (hours, half-hours, quarter-hours), Simple perimeter of squares and rectangles

Patterns and Number Sequences: Number patterns, skip counting (2, 3, 5, 10)-Shape and colour patterns, Odd-even patterns

Money: Coins and notes, their values-Simple addition and subtraction using money

Data Handling: Collecting data, tally marks-Representing data in pictographs and simple bar charts

Outcome: Builds accuracy, number sense, and early problem-solving skills through simple, interactive exercises



2. Real-Life Math - Making Math Meaningful

Children learn math that connects to daily life — counting items, reading clocks, comparing lengths, and using money.

Real-Life Math helps them understand how numbers are everywhere — in games, shopping, time, and even cooking!

Outcome: Helps children apply classroom math in real situations, making learning exciting and practical.

3. Logical Math - Thinking Beyond the Obvious

MathX for Grade 2 builds on curiosity and reasoning with thoughtfully designed activities. Students dive into picture puzzles, missing numbers, pattern recognition, direction basics, mirror images, and mental math games that train them to “say no to fingers.”

Created by math experts, this program sharpens focus, boosts logical connections, and builds strong thinking foundations for higher-math and reasoning skills.



level

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

4. Competitive Math - Foundation for Future Champions



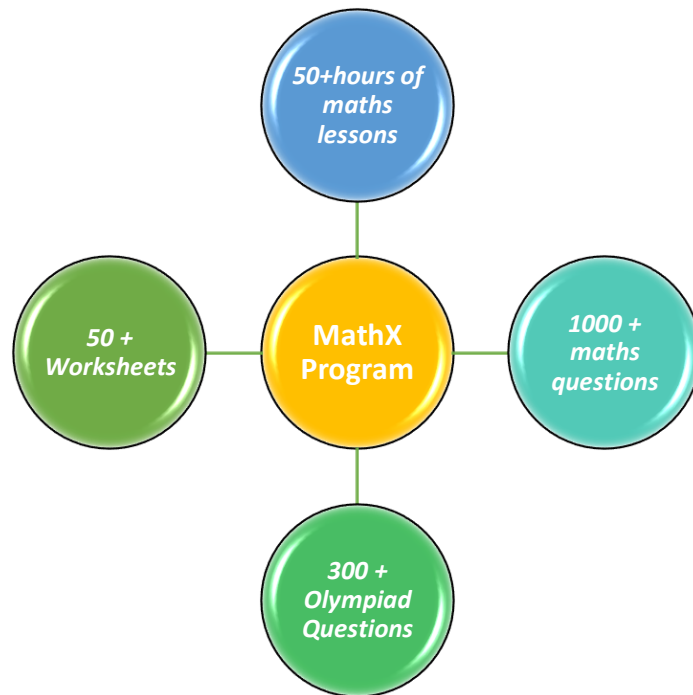
Through Competitive Math, Grade 2 students explore simple Olympiad-style questions that encourage creative problem solving.

These questions go slightly beyond the textbook, helping children think differently and build confidence early.

Outcome: Builds curiosity and lays the foundation for Olympiad exams such as SOF IMO and Math Kangaroo Junior in higher grades

Why Choose MathX - Grade 2?

- ✓ Builds confidence with numbers and operations
- ✓ Introduces reasoning and problem-solving early
- ✓ Connects math to everyday activities
- ✓ Encourages curiosity and creativity through games and logic
- ✓ Prepares students for higher-grade math with strong fundamentals
- ✓ 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

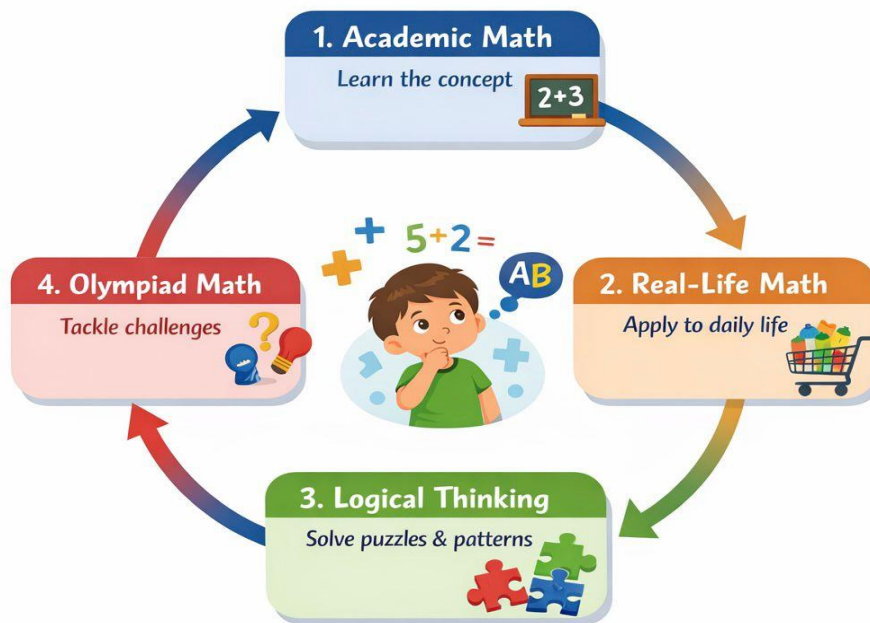
MathX follows an Integrated Learning Model where every concept is taught in four connected layers:

- ✓ 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...!