

SCO INTERNATIONAL

# MATHS OLYMPIAD

Class 1 • Chapter-wise learning outcomes and student learning goals

**CLASS 1****MATHS****Official syllabus with**

## learning outcomes

Built for school use, website publishing, student guidance, and chapter-wise academic planning.

**8 CHAPTERS****FOUNDATION-FIRST****FREE LEARNING MATERIALS**

### Inside this document

- foundational readiness map linked to the official syllabus
- complete chapter list for SCO International Maths Olympiad – Class 1
- what students will learn in every chapter
- learning outcomes to support schools, parents, and institutions
- note on SCO International Olympiad free learning materials

## Inside this official syllabus

- Program overview and academic purpose
- Foundational readiness skills that support Class 1 maths success
- Official chapter list for SCO International Maths Olympiad – Class 1
- Chapter-wise student learning goals and learning outcomes
- Free learning materials note for students, schools, and institutions

## At a glance

**Course:** Class 1st

**Subject:** Maths

**Document type:** Official syllabus

**Olympiad:** SCO International Maths Olympiad

**Structure:** 8 chapters

## Who this syllabus helps

- schools planning chapter-wise academic delivery
- students preparing for olympiad participation
- parents supporting home learning and revision
- institutions and country partners presenting the syllabus clearly

## Pedagogical intent

- move from concrete learning with objects to confident concept use
- strengthen observation, number sense, comparison, and reasoning
- connect early maths learning with real-life situations and language
- prepare learners for higher olympiad levels through a strong Class 1 foundation

**Program note:** This syllabus is designed to build strong conceptual understanding, early mathematical confidence, visual reasoning, and real-life application skills for young learners.

# Foundation skills bridge and official chapter map

How early skills support olympiad readiness in Class 1 maths

SCO

**Foundational readiness skills** | These skills prepare students to move confidently into the official SCO syllabus.

Foundational skill	How it connects to the official syllabus
<b>Number recognition and counting (1–10, then 1–20)</b>	Supports Addition Two Digits, Subtraction Two Digits, Money, and early comparison questions.
<b>Basic shapes</b>	Connects directly to Shapes and Space, and Lines and Plane Shapes.
<b>Patterns (ABAB, AABB)</b>	Builds readiness for Logical and Analytical Reasoning.
<b>Simple addition and subtraction with objects</b>	Builds strong conceptual entry into two-digit addition and subtraction.
<b>Comparing quantities: more, less, equal</b>	Supports Weights and Comparisons, as well as number sense across the paper.
<b>Sorting and classifying by size, shape, or color</b>	Strengthens observation, grouping, and reasoning across maths and olympiad thinking tasks.

## Official chapter list

No.	Chapter name	Subject	Course
1	Shapes and Space	Maths	Class 1st
2	Addition Two Digits	Maths	Class 1st
3	Subtraction Two Digits	Maths	Class 1st
4	Weights and Comparisons	Maths	Class 1st
5	Money – Puts together small amounts of money	Maths	Class 1st
6	Lines and Plane Shapes	Maths	Class 1st
7	Introduction of Time	Maths	Class 1st
8	Logical and Analytical Reasoning	Maths	Class 1st

# Chapter-wise learning outcomes

What students will learn across the official Class 1 maths syllabus

SCO

## Chapter 1 | Shapes and Space

**Chapter focus:** Recognition of common shapes and understanding of basic position and space concepts.

### What students will learn

- Recognize and name circle, square, triangle, and rectangle.
- Observe shapes in everyday objects such as wheels, windows, signs, and books.
- Understand simple position words such as inside, outside, near, far, above, and below.

### Learning outcomes

- Identifies basic shapes correctly in pictures and real-life objects.
- Uses simple spatial vocabulary meaningfully while describing position.
- Compares shapes using basic features such as sides and corners.

## Chapter 2 | Addition Two Digits

**Chapter focus:** Early addition of two-digit numbers through number sense, grouping, and simple visual methods.

### What students will learn

- Understand addition as putting together or combining two groups.
- Add two-digit numbers using objects, place-value thinking, or a number line where appropriate.
- Solve short everyday addition situations such as total items, pages, coins, or objects.

### Learning outcomes

- Adds grade-appropriate two-digit numbers with increasing confidence.
- Chooses a suitable method such as counting on, grouping, or visual support.
- Explains the meaning of an addition answer in a simple word problem.

# Chapter-wise learning outcomes

What students will learn across the official Class 1 maths syllabus

SCO

## Chapter 3 | Subtraction Two Digits

**Chapter focus:** Understanding subtraction as taking away, finding how many are left, or finding the difference.

### What students will learn

- Use pictures, objects, and number thinking to subtract two-digit numbers.
- Interpret subtraction in everyday stories such as eating, removing, sharing, or losing objects.
- Develop confidence in finding how many remain or how much less one quantity is than another.

### Learning outcomes

- Subtracts within the expected Class 1 level using guided strategies.
- Connects subtraction to real situations instead of memorizing only a rule.
- Finds and explains the answer clearly in simple subtraction tasks.

## Chapter 4 | Weights and Comparisons

**Chapter focus:** Development of comparison language and visual judgement across objects and quantities.

### What students will learn

- Compare objects using heavier, lighter, longer, shorter, more, less, and equal.
- Look at two or more groups and decide which has greater, fewer, or the same number.
- Build practical reasoning through everyday examples such as books, fruits, toys, and containers.

### Learning outcomes

- Uses comparison words accurately in classwork and olympiad questions.
- Orders objects or groups from more to less, bigger to smaller, or heavier to lighter.
- Builds number sense by comparing sets and quantities with confidence.

# Chapter-wise learning outcomes

What students will learn across the official Class 1 maths syllabus

SCO

## Chapter 5 | Money – Puts together small amounts of money

**Chapter focus:** Introduction to money through recognition, counting, and combining small values.

### What students will learn

- Recognize commonly used coins and small-value money combinations.
- Put together small amounts to match a price or total using simple addition.
- Relate money to real-life buying situations such as stationery, snacks, or classroom objects.

### Learning outcomes

- Recognizes and names small denominations correctly.
- Adds simple money values accurately for familiar situations.
- Chooses a correct money combination to represent a small amount.

## Chapter 6 | Lines and Plane Shapes

**Chapter focus:** Identification of line types and clear understanding of simple plane shapes.

### What students will learn

- Identify straight, curved, and slanting lines through observation and drawing.
- Recognize open and closed figures and connect them to plane shapes.
- Name plane shapes and notice simple properties such as corners and sides.

### Learning outcomes

- Classifies line types correctly in diagrams and pictures.
- Recognizes plane shapes confidently and describes them in simple language.
- Draws or completes basic line and shape patterns with accuracy.

# Chapter-wise learning outcomes

What students will learn across the official Class 1 maths syllabus

SCO

## Chapter 7 | Introduction of Time

**Chapter focus:** Early time awareness through routine, sequence, and clock reading to the hour.

### What students will learn

- Understand parts of the day such as morning, afternoon, evening, and night.
- Arrange daily activities in the correct order and talk about before, after, early, and late.
- Read simple clock time to the hour and build readiness for further time concepts.

### Learning outcomes

- Sequences everyday events in a logical order.
- Reads and interprets simple time situations with growing confidence.
- Uses time language such as before, after, earlier, later, and o'clock meaningfully.

## Chapter 8 | Logical and Analytical Reasoning

**Chapter focus:** Pattern, classification, observation, and reasoning tasks that strengthen olympiad thinking.

### What students will learn

- Identify, continue, and create simple patterns such as ABAB and AABB.
- Sort and classify objects by size, shape, color, or use.
- Solve missing-item, odd-one-out, sequence, and picture-based reasoning tasks.

### Learning outcomes

- Extends patterns correctly and notices repeating structure.
- Groups objects using a clear rule and explains the choice in simple terms.
- Develops observation, focus, and analytical thinking needed for olympiad success.

# Student learning journey and support note

How the official syllabus supports schools, families, and institutions

SCO

## What this syllabus helps students build

- secure number sense through recognition, counting, addition, subtraction, and comparison
- visual understanding of shapes, lines, space, and patterns
- practical maths confidence through money, time, and everyday problem situations
- early reasoning strength through observation, sorting, classification, and logical thinking
- a strong academic foundation for future olympiad levels and school mathematics

## How schools and institutions can use it

- publish the official syllabus clearly on school or partner websites
- share learning goals with teachers, parents, and students before preparation begins
- plan chapter-wise revision, reinforcement, and classroom integration
- use the learning outcomes as a reference for progress discussion and academic planning

## SCO International Olympiad provides free learning materials

To support students, schools, institutions, and country partners, SCO International Olympiad provides free learning materials that help learners strengthen concepts, revise chapter-wise topics, and build confidence before the examination. These resources support guided preparation, self-learning, and classroom reinforcement.

- chapter-wise concept reinforcement and revision support
- practice-oriented preparation for stronger concept clarity
- confidence building for students preparing from different school systems and countries

## SCO International Maths Olympiad – Class 1 Official Syllabus

Website: [www.schoolconnectonline.com](http://www.schoolconnectonline.com)