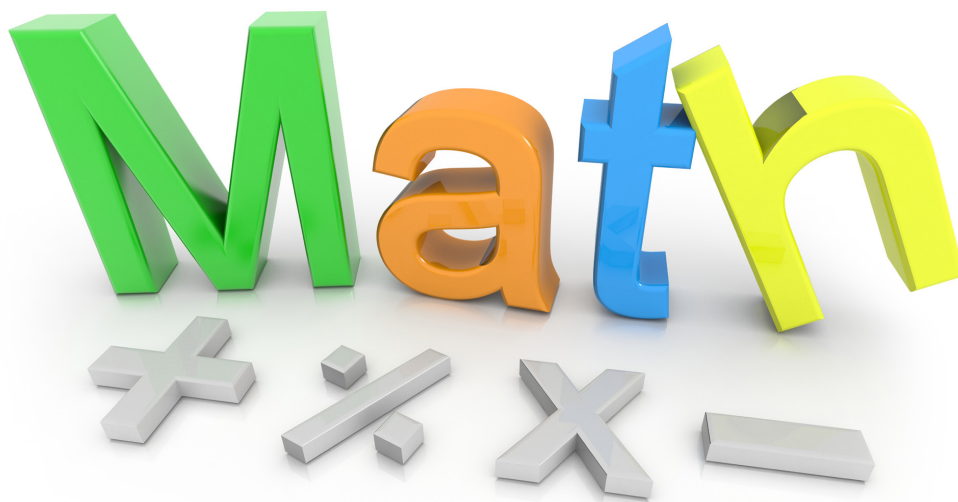


ISFO SYLLABUS

Maths (Grade - 1 to 10)



Empowering children to become
Global Olympiad Champions

Maths

Grade -1

Section 1: Mathematical Reasoning and

Section 2: Everyday Math

- Numbers 1 to 1000, Addition and Subtraction, Multiplication and Division, Length, Mass and Volume, Money, Time, Shapes and Patterns

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade -2

Section 1: Mathematical Reasoning and

Section 2: Everyday Math

- Numbers to 1000, Addition and Subtraction upto 1000, Multiplication and Division, Length, Mass, Money, Fractions, Time, Volume, Graphs, Lines and Surfaces, Shapes and Patterns

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade 3

Section 1: Mathematical Reasoning and

Section 2: Everyday Math

- Numbers 1 to 10000 Additions and Subtraction within 10000, Addition and Subtraction within 10000, Multiplication and Division, Money, Length, Mass, Volume, Bar Graph, Time, Geometry, Area and Perimeter

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade 4

Section 1: Mathematical Reasoning

and

Section 2: Everyday Math

- Numbers, Decimals, Fractions, Time, Geometry, Area and Perimeter, Tables and Line graphs, Symmetry and Tessellations

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade 5

Section 1: Mathematical Reasoning

and

Section 2: Everyday Math

- Numbers, Fractions, Decimals, Ratio, Average, Percentage, Geometry, Area and Volume

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade 6

Section 1: Mathematical Reasoning

and

Section 2: Everyday Math

- Whole Numbers, Fractions, Ratio and Proportion, Percentage, Speed and Time, Algebra, Lines and Angles, Area and Perimeter, Graphs and Pie chart

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade 7

Section 1: Mathematical Reasoning

and

Section 2: Everyday Math

- Integers and Rational Numbers, Fractions and Decimals, Ratio and Proportion and Comparing Quantities, Algebraic Expression and Equations, Geometry, Perimeter and Area, and Data Handling

Section 3: Logical Reasoning

- Verbal and Non-verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade 8

Section 1: Mathematical Reasoning

and

Section 2: Everyday Math

- Rational Numbers, Squares and Square Roots, Cubes and Cube Roots, Exponents and Powers, Comparing Quantities, Direct and Inverse Proportions, Linear Equations in One Variable, Algebraic Expressions & Identities, Factorisation, Mensuration and Data Handling (Probability)

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade 9

Section 1: Mathematical Reasoning

and

Section 2: Everyday Math

- Number Systems, Polynomials, Linear Equations in Two Variables, Euclid's Division Lemma, Lines and Angles, Triangles, Quadrilaterals, Areas of Parallelograms and Triangles, Surface Area and Volume, Hero's Formula, Circles, Coordinate Geometry, Probability

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade 10

Section 1: Mathematical Reasoning and

Section 2: Everyday Math

- Polynomials, Quadratic Equations, Arithmetic Progressions, Coordinate Geometry, Introduction to Trigonometry, Trigonometric Identities and Some Applications of Trigonometry, Circles, Areas Related to Circles, Surface Area and Volume, Statistics and Probability

Section 3: Logical Reasoning

- Verbal and Non-verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

