

MATH

ICSE SYLLABUS

CLASS 5

- NUMBERS
- NUMBER OPERATIONS
- FRACTIONS AND DECIMALS
- PLAYING WITH NUMBERS (FACTORS AND MULTIPLES)
- INTRODUCTION TO NEGATIVE NUMBERS
- GEOMETRY
- MEASUREMENT
- INTRODUCTION TO PERCENTAGE
- DATA HANDLING
- PATTERNS

CLASS 6

- WHOLE NUMBERS
- NEGATIVE NUMBERS AND INTEGERS
- SETS
- FRACTIONS
- DECIMALS
- PLAYING WITH NUMBERS
- RATIO AND PROPORTION
- PERCENTAGE
- PROFIT AND LOSS
- SPEED, TIME AND DISTANCE
- ALGEBRA
- EXPONENTS
- FUNDAMENTAL CONCEPTS AND OPERATIONS
- LINEAR EQUATIONS IN ONE VARIABLE
- BASIC GEOMETRY
- ANGLES AND THEIR PROPERTIES
- PARALLEL LINES AND TRANSVERSAL
- PRACTICAL GEOMETRY
- TRIANGLES
- QUADRILATERALS AND CIRCLES

- LINEAR SYMMETRY
- RECOGNITION OF SOLIDS
- PERIMETER AND AREA
- VOLUME AND SURFACE AREA
- DATA HANDLING

CLASS 7

- INTEGERS
- RATIONAL NUMBERS
- FRACTIONS
- DECIMAL FRACTIONS
- EXPONENTS
- RATIO AND PROPORTION
UNITARY METHOD
- PERCENT & PERCENTAGE
- PROFIT, LOSS & DISCOUNT
- SIMPLE INTEREST
- FUNDAMENTAL CONCEPTS
- SIMPLE LINEAR EQUATIONS
- SET CONCEPTS
- LINES AND ANGLES
- TRIANGLES
- PYTHAGORAS THEOREM
- SYMMETRY
- RECOGNITION OF SOLIDS
- CONGRUENCY: CONGRUENT TRIANGLES
- MENSURATION
- DATA HANDLING
- PROBABILITY
- GEOMETRY
- ALGEBRA

CLASS 8

- NUMBER SYSTEM
- RATIO AND PROPORTION
- ALGEBRA
- GEOMETRY

- MENSURATION
- DATA HANDLING

CBSE SYLLABUS

CLASS 5

- THE FISH TALE
- SHAPES AND ANGLES
- HOW MANY SQUARES?
- PARTS AND WHOLE
- DOES IT LOOK THE SAME?
- BE MY MULTIPLE, I 'LL BE YOUR FACTOR
- CAN YOU SEE THE PATTERN?
- MAPPING YOUR WAY
- BOXES AND SKETCHES
- TENTHS AND HUNDREDS
- AREAS AND ITS BOUNDARY
- SMART CHARTS
- WAYS TO MULTIPLY AND DIVIDE
- HOW BIG? HOW HEAVY?

CLASS 6

- KNOWING OUR NUMBERS
- WHOLE NUMBERS
- PLAYING WITH NUMBERS
- BASIC GEOMETRICAL IDEAS
- UNDERSTANDING ELEMENTARY SHAPES
- INTEGERS
- FRACTION
- DECIMALS
- DATA HANDLING
- MENSURATION
- ALGEBRA
- RATIO AND PROPORTION
- SYMMETRY
- PRACTICAL SYMMETRY



CLASS 7

- INTEGERS
- FRACTIONS AND DECIMALS
- DATA HANDLING
- SIMPLE EQUATIONS
- LINES AND ANGLES
- THE TRIANGLE AND ITS PROPERTIES
- CONGRUENCE OF TRIANGLES
- COMPARING QUANTITIES
- RATIONAL NUMBERS
- PRACTICAL GEOMETRY
- PERIMETER AND AREA
- ALGEBRAIC EXPRESSIONS
- EXPONENTS AND POWERS
- SYMMETRY
- VISUALISING SOLID SHAPES

CLASS 8

- RATIONAL NUMBERS
- LINEAR EQUATIONS IN ONE VARIABLE
- UNDERSTANDING QUADRILATERALS
- PRACTICAL GEOMETRY
- DATA HANDLING
- SQUARES AND SQUARE ROOTS
- CUBES AND CUBE ROOTS
- COMPARING QUANTITIES
- ALGEBRAIC EXPRESSIONS AND IDENTITIES
- VISUALISING SOLID SHAPES
- MENSURATION
- EXPONENTS AND POWERS
- DIRECT AND INVERSE PROPORTIONS
- FACTORIZATION
- INTRODUCTION TO GRAPHS
- PLAYING WITH NUMBERS

WB SYLLABUS

CLASS 5

- IDENTIFYING, COUNTING AND WRITING
- WRITING IN WORDS EXPANDED FORM
- WRITING NUMBERS IN FIGURES AND WORDS.
- ASCENDING & DESCENDING ORDER
- PLACE VALUE & FACE VALUE
- ASCENDING & DESCENDING ORDER
- ADDITION, SUBTRACTION, MULTIPLICATION, DIVISION
- USING CARDS TO DEVELOP CONCEPT OF FORMING THREE DIGIT NUMBER

CLASS 6

- REVISION OF PREVIOUS LESSONS
- CONCEPTS OF SEVEN AND EIGHT NUMBER
- LOGICAL APPROXIMATION OF NUMBER:
- ROMAN NUMBER UP TO HUNDRED:
- CONCEPTS OF ALGEBRAIC VARIABLES:
- MULTIPLICATIONS AND DIVISION OF A FRACTION
- MULTIPLICATION AND DIVISION OF DECIMAL FRACTIONS
- METRIC SYSTEM
- PERCENTAGE
- RECURRING DECIMAL NUMBER
- GEOMETRICAL CONCEPTS
- L.C.M AND H.C.M
- DATA HANDLING AND ANALYSIS
- CONCEPTS OF LINE, LINE SEGMENT, RAY AND POINT
- DETERMINATION OF AREA AND PERIMETER
- CONCEPTS OF DIRECTED NUMBER AND NUMBER LINE
- GEOMETRICAL CONCEPTS BASED ON DIFFERENT INSTRUMENTS
- SQUARE ROOT
- MEASUREMENT OF TIME
- GEOMETRICAL CONCEPTS OF CIRCLE
- FUNDAMENTAL CONCEPTS OF RATIO AND PROPORTION
- DRAWING OF DIFFERENT GEOMETRICAL FIGURES
- SYMMETRY
- SOLIDS FROM DIFFERENT SIDES
- FUN WITH NUMBER
- OPEN SHAPES OF REGULAR SOLIDS
- EQUIVALENCE OF FRACTIONS

CLASS 7

- REVISION OF PREVIOUS KNOWLEDGE
- RATIO & PROPORTION
- ADDITION, SUBTRACTION, MULTIPLICATION & DIVISION
- CONCEPT OF INDEX
- ALGEBRAIC OPERATION
- DRAW ANGLES WITH COMPASS
- CONSTRUCTION OF TRIANGLES
- CONCEPT OF CONGRUENCY
- APPROXIMATION
- SQUARE ROOT OF FRACTIONS
- ALGEBRAIC FORMULAS
- PARALLEL LINES & TRANSVERSAL
- PROPERTIES OF TRIANGLES
- TIME & DISTANCE
- DOUBLE BAR GRAPH
- AREA OF RECTANGLES & SQUARES
- SYMMETRY
- FACTORISATION
- QUADRILATERALS
- EQUATION & ITS SOLUTIONS

CLASS 8

- REVISION OF PREVIOUS LESSON
- PIE DIAGRAM
- RATIONAL NUMBERS
- MULTIPLICATION AND DIVISION OF POLYNOMIAL EXPRESSION
- CUBE
- COMPLEMENTARY ANGLE, SUPPLEMENTARY ANGLE AND ADJACENT ANGLES
- VERTICALLY OPPOSITE ANGLES
- PROPERTIES OF PARALLEL STRAIGHT LINES AND ITS TRAVERSAL
- THE LENGTHS OF THE TWO SIDES OF A TRIANGLE AND THE CORRELATION WITH THE OPPOSITE ANGLES
- THE RULE OF THREE
- PERCENTAGE
- MIXTURE
- FACTORIZATION OF ALGEBRAIC EXPRESSIONS

- **H.C.F & L.C.M OF ALGEBRAIC EXPRESSIONS**
- **SIMPLICATION OF ALGEBRAIC EXPRESSIONS**
- **RELATIONSHIP BETWEEN MEASUREMENT OF THE SIDES AND ANGLES IN A TRIANGLE**
- **WORK AND TIME**
- **GRAPH**
- **FORMING EQUATIONS AND SOLVING THEM**
- **GEOMETRICAL PROOF**
- **CONSTRUCTION OF TRIANGLE**
- **CONSTRUCTION OF PARALLEL STRAIGHT LINES**
- **DIVIDING A LINE SEGMENT INTO THREE AND FIVE EQUAL PARTS**
- **FUN WITH MATHEMATICS**