

TERM WISE SYLLABUS BREAK-UP (2026-27)

SUBJECT: MATHEMATICS

CLASS- VI

BOOK FOLLOWED – NCERT

GANITA PRAKASH TEXTBOOK OF MATHEMATICS FOR GRADE 6

I – TERM (HALF YEARLY EXAMINATION)

CHAPTERS	TOPICS	
Chapter 3	Number Play	FIRST PERIODIC TEST
Chapter 5	Prime Time	
Chapter 2	Lines and Angles	HALF YEARLY EXAMINATION (ALL CHAPTERS MENTIONED IN THIS TABLE)
Chapter 8	Playing with constructions	
Chapter 7	Fractions	
Chapter 9	Symmetry	

COMPUTATIONAL THINKING - Lines and Angles, Number Play, Prime Time, Fractions, Playing with constructions, Symmetry

II – TERM (ANNUAL EXAMINATION)

CHAPTERS	TOPICS	
Chapter 1	Patterns in Mathematics	SECOND PERIODIC TEST
Chapter 6	Perimeter and Area	
Chapter 4	Data handling and presentation	ANNUAL EXAMINATION (ALL CHAPTERS MENTIONED IN THIS TABLE)
Chapter 10	The Other Side of Zero	

COMPUTATIONAL THINKING - Patterns in Mathematics, Perimeter and Area, Data handling and presentation, The Other Side of Zero

CHAPTERS AND TOPICS OVERVIEW

CHAPTER	TOPIC	SUBTOPIC	NO. OF PERIODS
Chapter 1	Patterns in Mathematics	Introduction, Idea of a variable, Use of variables in common rules, Pattern in Numbers (Number sequences: Constant sequence, Counting numbers, Odd & Even numbers, Triangular numbers, Squares, Cubes, Virahanka (Fibonacci) numbers, Powers of 2 and Powers of 3), Visualizing number sequences, Relations among number sequences, Patterns in Shapes (Shape sequences: Regular polygons, Complete graphs, Stacked squares, Stacked triangles, Koch Snowflake), Relation of Shape sequences to Number sequences	15 – 18
Chapter 2	Lines and Angles	Introduction, Point, Line, Line Segment, Ray, Collinear points, Intersecting Lines, Concurrent Lines, Perpendicular Lines, Angle, Comparing Angles, Types of angles, Angle Bisector, Perpendicular Bisector, Measuring Angles, Drawing Angles	17 – 18
Chapter 3	Number Play	Supercells, Number Line, Digit sums of numbers, Palindromic Numbers, Kaprekar Constant, Clock and Calendar Numbers Mental Math, Number Patterns, Estimation, Collatz Conjecture	17 – 18
Chapter 4	Data handling and presentation	Some important terms, Organisation of data using tally mark, Interpretation of a pictograph, drawing a pictograph, Bar Graph, Interpretation of a bar graph, Drawing a bar graph	10 – 12
Chapter 5	Prime Time	Factors, Properties of factors, Multiplies, Properties of multiples, Perfect number, even numbers, odd numbers, Prime and Composite numbers, Twine primes, Prime Triplet, Co-Primes, Divisibility tests, Common factors and common multiples, Prime factorization, Prime Puzzles	13 – 15
Chapter 6	Perimeter and Area	Perimeter of plane figures, Perimeter of regular shapes, Area of square and rectangle by counting squares and using formula, Area of a triangle.	13 – 15

Chapter 7	Fractions	Fractional part of a collection, Unit fractions., Fractions on the number line, Types of fractions, Equivalent fractions, Simplest form of a fraction, Like fractions, Unlike fractions, Converting unlike fractions to like fractions, Comparing like fractions, Comparing unlike fractions, Addition and subtraction of like fractions, Adding or subtracting unlike fractions and mixed fractions.	17 – 18
Chapter 8	Playing with constructions	Properties of squares and rectangles, Adjacent sides and angles, Opposite sides and angles, Construction of squares and rectangles using compass and protractor, Construction of diagonals in rectangles using compass and protractor, Construction of circles using compass and protractor, Points Equidistant from two given points.	14 – 15
Chapter 9	Symmetry	Lines of symmetry for regular polygons, Reflection symmetry, Rotational Symmetry and comparison with line symmetry	13 – 15
Chapter 10	The Other Side of Zero	Introduction, Representation of integers on number line, Ordering of integers, Absolute value of an integer, Addition of integers, Rules for addition of integers, Properties of addition of integers, Subtraction of integers, Properties of subtraction on integers.	15 – 16