

**MONTHLY SYLLABUS**  
**SESSION-2017-18**  
**CLASS-VI**  
**SUBJECT : MATHEMATICS**

MONTH	CONTENT
<b>TERM-I (PRATIBHA)</b>	
April 2017	<p><b>Chapter-1 : Knowing our numbers</b>            Introduction, Comparing Numbers, Larger Numbers in Practice, Estimation – nearest tens, hundreds, thousands, Outcomes of number situations, Sum and difference, Products, Using Brackets, Roman Numerals.</p> <p><b>Chapter-2 : Whole Numbers</b>            Introduction, Whole Numbers, The Number Line.            Mental Maths, Maths Lab Activity, Yuva Sessions</p>
May 2017	<p><b>Chapter-2 : Whole Numbers</b>            Properties of whole numbers, Patterns in whole numbers.</p> <p><b>Note : As per SCERT guidelines</b>  <i>{Content not to be taught - Section 2.4 exercise 2.2 (to be taught but without emphasizing the use of terminology/Name of Properties)}</i></p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
July 2017	<p><b>Chapter-3 : Playing with Numbers</b>            Introduction, Factors and Multiples, Prime and Composite Numbers, Tests for Divisibility of numbers, Common factors and Common multiples, Some more Divisibility Rules, Prime factorization, Highest Common Factor (HCF), Least Common Multiple (LCM), Some Problems on HCF and LCM.</p> <p><b>Chapter-4 : Basic Geometric Ideas</b></p>

	<p>Introduction, Points, A Line Segment, A Line, Intersecting Lines, Parallel Lines, Ray, Curves, Polygons, Angles, Triangles.</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
August 2017	<p><b>Chapter-4 : Basic Geometric Ideas</b></p> <p>Quadrilaterals, circles.</p> <p><b>Chapter 5 : Understanding Elementary Shapes</b></p> <p>Introduction, Measuring line segment, Angles-right and straight, Angles-Acute, Obtuse and Reflex, Measuring angles, Perpendicular Lines, Classification of Triangles, Quadrilaterals, Polygons, 3-dimensional shapes.</p> <p><b>Chapter 14 : Practical Geometry</b></p> <p>Introduction, The Circle, A Line Segment, Constructing a copy of a given line segment, Perpendiculars, The perpendicular bisector of a line segment.</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions.</p>
September 2017	<p><b>Chapter-14 : Practical Geometry</b></p> <p>Angles.</p> <p><b>Chapter 11: Algebra</b></p> <p>Introduction, Matchstick Patterns, The Idea of Variables, More Matchstick patterns, More examples of Variables, Using expressions practically.</p> <p><b>Note : As per SCERT guidelines</b></p> <p><i>(Content not to be taught - section 11.6 and exercise 11.2, section 11.7 and exercise 11.3, section 11.9 &amp; 11.10 and exercise 11.5)</i></p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
	<b>TERM II (PRATIBHA)</b>
October 2017	<p><b>Chapter 6 : Integers</b></p> <p>Introduction, Representation of Integers on a Number Line,</p>

	<p>Ordering of Integers</p> <p><b>Note : As per SCERT guidelines</b></p> <p><i>(Content not to be taught – Section 6.2 except 6.2.1, 6.2.2; Section 6.3 exercise 6.2; section 6.4 exercise 6.3)</i></p> <p><b>Chapter 7: Fractions</b></p> <p>Introduction, Fraction, Fraction on Number Line, Proper, Improper and Mixed Fractions, Equivalent fractions, Simplest form of a fraction, Like fractions, Comparing fractions, Addition and Subtraction of fractions.</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
November 2017	<p><b>Chapter – 8 : Decimals</b></p> <p>Introduction, Tenths, Hundredths, Comparing decimals, Using decimals, Addition of numbers with decimals, Subtraction of numbers with decimals.</p> <p><b>Chapter-9 : Data Handling</b></p> <p><b>Note: As per SCERT guidelines</b></p> <p><i>(Content not to be taught – Data Handling but to be included in maths lab activities)</i></p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
December 2017	<p><b>Chapter-10 : Mensuration</b></p> <p>Introduction, Perimeter, Area, Area of Rectangle, Area of square.</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
January 2018	<p><b>Chapter-12 : Ratio and Proportion</b></p> <p>Introduction, Ratio, Proportion, Unitary method</p> <p><b>Chapter-13 : Symmetry</b></p> <p><b>Note: As per SCERT guidelines</b></p> <p><i>(Content not to be taught - Symmetry but to be included in</i></p>

	<p><i>maths lab activities)</i></p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
February 2018	<p><b>Chapter-4 : Basic Geometric ideas</b> (<i>This content of TERM I is to be repeated and evaluated in TERM II</i>)</p> <p>Introduction, points, a line segment, a line, intersecting lines – parallel lines, ray, curves, polygons, angles, triangles, quadrilaterals, circles.</p>
	<b>TERM-I (NISTHA )</b>
April 2017	<p><b>Chapter-1 : Knowing our numbers</b></p> <p>Introduction, Comparing Numbers, Larger Numbers in Practice, Estimation – nearest tens, hundreds, thousands, Outcomes of number situations, Sum and difference, Products, Using Brackets, Roman Numerals.</p> <p><b>Chapter-4 : Basic Geometric Ideas</b></p> <p>Introduction, Points, A Line Segment, A Line, Intersecting Lines, Parallel Lines, Rays, Curves, Polygons.</p> <p>Mental Maths, Maths, Lab Activity, Yuva Sessions</p>
May 2017	<p><b>Chapter-4 : Basic Geometric Ideas</b></p> <p>Angles, Triangles, Quadrilaterals, circles.</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
July 2017	<p><b>Chapter 2 : Whole Numbers</b></p> <p>Introduction, Whole Numbers, The Number Line.</p> <p>Properties of whole numbers, Patterns in whole numbers.</p> <p><b>Note: As per SCERT guidelines</b></p> <p><i>{Content not to be taught - Section 2.4, exercise 2.2 (to be taught but without emphasizing the use of terminology/Name of Properties)}</i></p> <p><b>Chapter 3 : Playing With Numbers</b></p>

	<p>Introduction, Factors and Multiples, Prime and Composite Numbers.</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
August 2017	<p><b>Chapter-3 : Playing with Numbers</b></p> <p>Tests for Divisibility of numbers, Common factors and Common Multiples, Some more Divisibility Rules, Prime factorization, Highest Common Factors (HCF), Least Common Multiple (LCM), Some Problems on HCF and LCM.</p> <p><b>Chapter-5 : Understanding Elementary Shapes</b></p> <p>Introduction, Measuring line segment, Angles – right and straight, Angles- Acute, Obtuse and Reflex, Measuring angles, Perpendicular Lines.</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
September 2017	<p><b>Chapter-5 : Understanding Elementary Shapes</b></p> <p>Classification of Triangles, Quadrilaterals, Polygons, 3-dimensional shapes.</p> <p>Mental Maths Lab Activity, Yuva Sessions</p>
	<b>TERM II (NISHTHA-Neo Reader)</b>
October 2017	<p><b>Chapter 6 : Integers</b></p> <p>Introduction, Representation of Integers on a Number Line, Ordering of Integers.</p> <p><b>Note : As per SCERT guidelines</b></p> <p><i>(Content not to be taught - Section 6.2.1, 6.2.2; Section 6.3 exercise 6.2; Section 6.4 exercise 6.3)</i></p> <p><b>Chapter 7 : Fractions</b></p> <p>Introduction, Fraction, Fraction on Number Line, Proper, Improper and Mixed Fractions</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>

November 2017	<p><b>Chapter 7: Fractions</b></p> <p>Equivalent Fractions, Simplest form of a fraction, Like fractions, Comparing fractions, Addition and Subtraction of fractions.</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions.</p>
December 2017	<p><b>Chapter-8 : Decimals</b></p> <p>Introduction, Tenths, Hundredths, Comparing decimals, Using decimals, Addition of numbers with decimals, Subtraction of numbers with decimals.</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions .</p>
January 2018	<p><b>Chapter-12 : Ratio and Proportion</b></p> <p>Introduction, Ratio, Proportion, Unitary method</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
February 2018	<p><b>Chapter-4 : Basic Geometric Ideas (<i>This content of TERM I is to be repeated and evaluated in TERM II</i>)</b></p> <p>Introduction, points, a line segment, a line, intersecting lines, parallel lines, ray, curves, polygons, angles, triangles, quadrilaterals, circles.</p>
<b>TERM-I (NISHTHA-NEO READER)</b>	
April 2017	<p><b>Chapter-1 : Knowing our numbers</b></p> <p>Introduction, Comparing Numbers, Larger Numbers in Practice</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
May 2017	<p><b>Chapter-1 : Knowing our numbers</b></p> <p>Estimation – nearest tens, hundreds, thousands, Outcomes of number situations, Sum and differences, Products, Using Brackets, Roman Numerals.</p>
July 2017	<p><b>Chapter-2 : Whole Numbers</b></p> <p>Introduction, Whole Numbers, The Number Line, Properties of</p>

	<p>whole numbers, Patterns in whole numbers.</p> <p><b>Note: As per SCERT guidelines</b></p> <p><i>{Content not to be taught - Section 2.4, exercise 2.2 (to be taught but without emphasizing the use of terminology/Name of Properties)}</i></p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
August 2017	<p><b>Chapter-4 : Basic Geometric Ideas</b></p> <p>Introduction, Points, A Line Segment, A Line, Intersecting Lines, Parallel Lines, Ray, Curves, Polygons, Angles, Triangles</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
September 2017	<p><b>Chapter-4: Basic Geometric Ideas</b></p> <p>Quadrilaterals, circles.</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
<b>TERM II (NISHTHA – NEO READER)</b>	
October 2017	<p><b>Chapter 6 : Integers</b></p> <p>Introduction, Representation of Integers on a Number Line, Ordering of Integers.</p> <p><b>Note : As per SCERT guidelines</b></p> <p><i>(Content not to be taught – Section 6.2, 6.2.1, 6.2.2; Section 6.3 exercise 6.2; Section 6.4 exercise 6.3)</i></p> <p><b>Chapter 7 : Fractions</b></p> <p>Introduction, Fraction, Fraction on Number Line, Proper, Improper and Mixed Fractions</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
November 2017	<p><b>Chapter 7 : Fractions</b></p> <p>Equivalent Fractions, Simplest form of a fraction, Like fractions, Comparing, fractions, Addition and Subtraction of fractions.</p>

	Mental Maths, Maths Lab Activity, Yuva Sessions
December 2017	<p><b>Chapter-8 : Decimals</b></p> <p>Introduction, Tenths, Hundredths, Comparing decimals, Using decimals,</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
January 2018	<p><b>Chapter-8 : Decimals</b></p> <p>Addition of numbers with decimals, Subtraction of decimals</p> <p>Mental Maths, Maths Lab Activity, Yuva Sessions</p>
February 2018	<p><b>Chapter-4 : Basic Geometric Ideas (<i>This content of TERM I is to be repeated and evaluated in TERM II</i>)</b></p> <p>Introduction, Points, a line segment, a line, intersecting lines, parallel lines, ray, curves, polygons, angles, triangles, quadrilaterals, circles.</p>