

Class- VII
Subject Mathematics
Term Wise Syllabus
Academic Session 2010-2011

1st Terminal

- Chapter 1: Integers
- Chapter 2: Fractions and Decimals
- Chapter 3: Data Handling
- Chapter 4: Simple Equations
- Chapter 5: Lines and Angles
- Chapter 6: The Triangle and its Properties
- Chapter 14: Symmetry
- Chapter 15: Visualizing solid shapes

2nd Terminal

- Chapter 7: Congruence of Triangles
- Chapter 8: Comparing Quantities
- Chapter 9: Rational Numbers
- Chapter 10: Practical Geometry

3rd Terminal

- Chapter 11: Perimeter and Area
- Chapter 12: Algebraic Expressions
- Chapter 13: Exponents and Powers

NOTE : (1) Every MONDAY - Mental Maths Practice From the concern Topic
From Mental Maths Book

NOTE: (2) Related Activities At The End Of The Chapter.

Weekly Syllabus Break-up For the Academic Session 2010-2011

MONTH /WEEK	DATES	DAYS	CHAPTER/ TOPICS	DETAILS
April				
I WEEK	1-3 April	2	Chapter 1 Integer Ex:1.1	Introduction properties of addition and subtraction of integers.
II WEEK	5-9 April	5	Ex:1.2-1.3	Properties of Multiplication, properties of division. Mon. Mental Maths Practice.
III WEEK	12-17 April	6	EX-1.4 Chapter-2 Fraction and decimals Ex::2.1- 2.3	Introduction multiplication of fraction by whole numbers and by fractions. Division of fraction by whole numbers and by fractions, division of

				whole numbers by Fractions Mon. Mental Maths Practice.
IV WEEK	19-24 April	6	Ex:2.4-2.6	Decimals numbers Multiplication of decimals numbers Multiplication of decimals numbers by Ten Hundred and Thousand Mon. Mental Maths Practice.
V WEEK	26April -1 May	6	Ex: 2.7 Chapter- 3 Data Handling Ex: 3.1-3.2	Division of decimals numbers by whole numbers.Introduction arithmetic mean, range, mode, median Mon. Mental Maths Practice.
MAY				
I WEEK	3-7 May	5	Ex:-3.3, 3.4	Bar graph Chance and probability Mon. Mental Maths Practice
MAY AND JUNE JULY	10.5.2010- 25.6.2010	SUMMER VACATION		
I WEEK	26June,28 June-3 July	1+6=7	Chapter 4: Simple Equations Ex:-4.1, 4.2	Introduction Formation of equation from statement and statement from equation Mon. Mental Maths Practice

II WEEK	5-9 July	5	Ex:4.3 - 4.4	Solving an equation by transposing and by adding or subtracting On both sides and application of simple equation to practical situations. Mon. Mental Maths Practice
III WEEK	12-17 July	6	Chapter 5 Ex:-5.1,5.2 Lines and Angles	Related angles, complimentary angles. Supplementary angles, linear pair, vertically apposite angles, pair of lines, intersecting, lines and transversals. Mon. Mental Maths Practice
IV WEEK	19-24 July	6	Ex: 5.2	Lines and transversals. Mon. Mental Maths Practice
V WEEK	26-31 July	6	Chapter 6: Triangle and its properties Ex:- 6.1 Ex 6.2	Triangle and its properties, Introduction, median altitude Exterior angle property of triangle. Mon. Mental Maths Practice.
August				
I WEEK	2-7 Aug.	6	6.3 & 6.4	Exterior angle property of triangle, of triangle, sum of any two sides a triangle is always greater than the third side Mon. Mental Maths Practice Right angled triangle.
II WEEK	9-13 Aug.	5	Ex 6.5 Chapter-14	Pythagoras properties Symmetry, lines of

			Symmetry Ex:14.1	symmetry for regular polygon Mon. Mental Maths Practice.
III WEEK	16-21 Aug.	6	Ex 14.2,14.3	Rotational sym. Mon. Mental Maths Practice.
IV WEEK	23-28 Aug.	6	Chapter 15 Visualising solid shapes	Introduction, Drawing solids on a flat Surface Mon. Mental Maths Practice.
September				
I WEEK	30Aug.- 4Sep.	5(1GH 2/09/10)	REVISION	
II WEEK	6-10Sep.	REVISION		4(8.9.10 1 st CCEP)
III WEEK	13-20Sep.	FIRST TERM EXAM		
IV WEEK	21-25Sep.	5	Chapter 7 Congruency of triangles Ex:- 7.1, 7.2	Introduction SSS and SAS Congruency Mon. Mental Maths Practice
V WEEK	27-30 Sep.	4	Chapter 7: Ex:7.2	ASA and RHS Congruency Mon. Mental Maths Practice.
OCTOBER				
	1-17 Oct.	Closure of schools due to Comman Wealth Games (8.10.10 To 16.10.10 Autmn Break)		
IV WEEK	18-23 Oct.	5	Chapter 8	Equivalent ratios Percentage Converting decimal to percentage. Mon.

			Comparing Quantities Ex:8.1	Mental Maths Practice
V WEEK	25-30 Oct.	6	Ex 8.2,8.3	Mon. Mental Maths Practice Ex:8.3 Percentage Converting decimal to percentage, converting percentage to how many increase or decrease as percentage, profit and lose , simple interest Mon. Mental Maths Practice.
NOVEMBER				
I WEEK	1-6 Nov.	5	Chapter 9 Rational Numbers 9.1	Introduction, equivalent rational number, rational number of number lines , comparison of rational number between two rational number.
II WEEK	8-12Nov.	5	Ex:9.2 Chapter 10 Practical Geometry Ex 10.1	Operation of rational number addition, additive inverse, subtraction, multiplication, division Mon. Mental

				Maths Practice
III WEEK	15-20 Nov.	5	Ex:- 10.2, 10.3	Introduction, construction of a line parallel to given point and given line, construction of triangle SSS criterion and SAS criterion Mon. Mental Maths Practice
IV WEEK	22-27 Nov.	6	Ex:-10.4,10.5	ASA,RHS criterion Mon. Mental Maths Practice
DECEMBER				
I WEEK	29 Nov.-4 Dec.	6	REVISION	
II WEEK	6-10 Dec.	4 (10.12.10 2 nd CCEP)	REVISION	
III WEEK	13-22 Dec.	SECOND TERM EXAM		
IV WEEK	23-24 Dec.	2	DISCUSSION OF QUESTION PAPER	
	27 Dec.-7 Jan.	WINTER BREAK		
JANUARY				
II WEEK	10-15 Jan.	6	Chapter 11 Perimeter and Area Ex:- 11.1,11.2	Area of parallelogram Area of triangle circumferences of the circle, area of the circle, Mon. Mental Maths Practice
III WEEK	17-22 Jan.	6	Ex:11.3,11.4	Application of area and Perimeter Mon. Mental Maths Practice

IV WEEK	24-29 Jan.	5	Chapter 12 Algebraic Expressions Ex:-12.1 Ex:-12.2	introduction how are expressions form, Terms of an expressions, factors of a term, coefficients, like and unlike terms, Monomials, Binomials, trinomials and polynomials, Addition and subtraction of algebraic expressions Mon. Mental Maths Practice
FEBRUARY				
I WEEK	31Jan.-5 Feb.	6	Ex:-12.3 Ex:-12.4,13.1	Adding and subtracting general algebraic expressions, Finding the value of an expressions. Using algebraic expression- formulas and rules Law of exponent, decimal number system
II WEEK	7-11 Feb.	5	Ex:-13.2 Ex:-13.3	Expressing large number in standard form.
III WEEK	14-19 Feb.	6		

IV WEEK	21-28 Feb.	Revision and Final Term Exam	
MARCH			
	1-31 Mar.	Home Exam and Board Exam (31-03-2011 Announcement of the Result)	

Prepared By :-

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