

O.P JINDAL SCHOOL, SAVITRINAGAR, TAMNAR

Annual Syllabus Break-up for session 2023-2024

Subject : MATHEMATICS Class : VII

Sl.	Month	No. of Instructional Days	No. of Periods	Chapters to be taught	Subject enrichment Activities	Values to be Imparted	Extra content to be taught
1	April	21	24	1.Integers	* Add or subtract any two integers by using cap of bottle.	*It help to facilitate certain calculations by including negative numbers.	Mental maths
2	June	11	13	2. Fractions and Decimals	*To multiply fraction experimentally.	*Decimals help to deal with situation where more precision is required than the whole numbers can provide.	Mental maths
3	July	23	17	2. Fractions and Decimals(continued)	*To multiply the decimal number by using white sheet of paper.	*Decimals help to deal with situation where more precision is required than the whole numbers can provide.	Mental maths
			10	3. Data handling	*To create a Bar graph.	* Data handling allows children to make sense of information, to identify patterns and trends and to predict and plan for the future.	Mental maths
4	August	23	14	4. Simple Equations	*Frame an equation of any real life situations.	*It makes sure both the expressions of the equation are equal by using the simple sign of 'equal to; (=).	Mental maths
			10	5. Lines and Angles	*To verify that if two straight lines intersect at a point, then the vertically opposite angles are equal.	*It helps student to be confident on calculating angles, measuring angles and drawing angles.	Mental maths
			3	14. Symmetry	*To determine the order of rotational symmetry of a parallelogram when it is rotated about the point of intersection of its diagonals.	*It will develop a sense of balance, order and harmony.	Mental maths
5	September	12		Revision & Term-1 Half Yearly			
6	October	20	13	6. The Triangle and its Properties	* To verify that the sum of the interior angles of a triangle is 180° .	*Understanding the basic properties of triangles allows students for deeper study of larger polygons as well.	Mental maths

			10	7. Congruence of Triangles	* To verify two triangles are congruent if three sides of a triangle are equal, respectively to the corresponding three sides of the other.	*Students will be able to compare two given triangles by using different congruence rules.	Mental maths
7	November	13	8	8. Comparing Quantities	* Find out the percentage of PT-1 marks.	*Students will be able to find percentage, ratio and calculate profit and loss of given data.	Mental maths
			7	9. Rational Numbers	*Add and subtract two given rational number by applying properties.	*Students will be able to add, subtract, multiply and divide two rational numbers.	Mental maths
8	December	19	8	10. Practical Geometry	*Construction of equilateral triangle by paper folding.	*Geometry provides many foundational skills and helps to build the thinking skills of logic, deductive reasoning, analytical reasoning and problem solving.	Mental maths
			14	11. Perimeter and Area	* To verify the formula for the area of a circle.	*Students will be able to calculate the area and perimeter of a closed polygon.	Mental maths
9	January	22	14	12. Algebraic Expressions	*Collect a real life situations and convert into algebraic expressions.	*Students need to be able to read and write expressions and to be skilled in computations and manipulations of algebraic expressions.	Mental maths
			8	13. Exponents and powers	* To find the values of 2^2 , 2^1 , 2^2 , 2^3 by paper folding.	*It help students to abbreviate or write in short something that would otherwise be really long and difficult to write.	Mental maths
			4	15. Visualising Solid Shapes	*To determine the shapes of the horizontal and vertical cross sections of cube, cylinder etc.	*It helps to develop intellectual and logical thinking in students to look 3D objects or shapes	Mental maths
10	February & March			Revision & Term-2 annual Exam			

SYLLABUS FOR EXAMINATION

S. NO.	EXAMINATION	SYLLABUS FOR EXAMINATION
1	Test - 1	Ch- 1,2
2	Term -1 (Half yearly Exam)	Ch- 1, 2, 3, 4, 5, 14
3	Test - 2	Ch- 6, 7
4	Term -2(Annual Exam)	Ch- 3, 6, 7, 8, 9, 10, 11, 12, 13, 15