

**PRESIDENT'S OFFICE, REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT, . LOG BOOK**  
**SUBJECT MATHEMATICS CLASS : FORM I YEAR : 2023 SUBJECT TEACHER : .**

Main Topic	Sub Topic	Content Covered	Date Started	Date Ended	Teacher's Comment	H.O.D Comment	H/M Comment
NUMBERS	Base Ten Numiration	(a) identify the place value in each digit in base ten numeration. (b) read numbers in base ten numeration (c) write numbers in base ten numeration up to one billion					
NUMBERS	Natural and Whole Number	(a) distinguish between natural and whole numbers. (b) identify even, odd and prime numbers					
NUMBERS	Operations with Whole Number's	(a) add whole numbers (b) subtract whole numbers. (c) multiply whole numbers. (d) divide whole numbers. (e) use the four operations in solving word problems					
NUMBERS	Factors and Multiples of Numbers	(a) find factors of a number. (b) find multiples of a number. (c) use factors to find the greatest common factor (GCF) of numbers. (d) use factors or multiples to find the lowest common multiple (LCM)					
NUMBERS	Integers	(a) identify integers. (b) add integers. (c) subtract integers. (d) multiply integers. (e) divide integers. (f) perform mixed operations on integers					

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FRACTIONS	Proper, Improper and Mixed Numbers	(a) describe a fraction. (b) distinguish proper, improper fractions and mixed numbers					
FRACTIONS	Comparison of Fractions	(a) simplify a fraction to its lowest terms. (b) identify equivalent fractions. (c) arrange fractions in order of size					
FRACTIONS	Operations on Fractions	(a) add fractions. (a) subtract fractions.					
FRACTIONS	Operations on Fractions	(b) multiply fractions. (c) divide fractions. (d) perform mixed operations on fractions. (e) solve word problems involving fractions.					
DECIMALS AND PERCENTAGES	Decimals	(a) explain the concept of decimals. (b) convert fractions to terminating and repeating decimals and vice versa.					
DECIMALS AND PERCENTAGES	Operations on Decimals	(a) add decimals. (b) subtract decimals. (c) multiply decimals. (d) divide decimals. (e) perform mixed operations with decimals. (f) solve word problems involving decimals					

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DECIMALS AND PERCENTAGES	Percentages	(a) express a quantity as a percentages. (b) convert a fraction into percentage and vice versa. (c) convert a decimal into percentage and vice versa. (d) apply percentages in daily life					
UNITS	Units of Length	(a) convert one unit of length to another. (b) perform computations on metric units of length.					
UNITS	Units of Mass	(a) convert one unit of mass to another (b) perform computation on metric units of mass					
UNITS	Units of time	(a) convert one unit of time to another. (b) read and convert Unit time of 12 hour clock to 24 hour clock and vice versa					
UNITS	Units of Capacity	(a) state the standard unit of measuring capacity. (b) use the litre in daily life.					
APPROXIMATIONS	Rounding off Numbers	(a) round off whole numbers to given place values. (b) round off decimals to a given number of decimal places.					
APPROXIMATIONS	Significant Figures	write a number to a given number of significant figures					

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APPROXIMATIONS	Approximations in Calculations	perform approximation all numbers in calculation.					
GEOMETRY	Points and Lines	(a) explain the concept of a point. (b) extend the concept of a point to draw a line. (c) distinguish between a line, a line segment and a ray.					
GEOMETRY	Angles	(a) draw angles (b) measure angles of different sizes using a protractor. (c) draw angles using a protractor					
GEOMETRY	Constructions	(a) construct a perpendicular bisector to a line segment. (b) construct an angle of 60 degrees using a pair of compasses. (c) bisect a given angle. (d) copy a given angle by construction. (e) construct parallel lines. (f) identify different types of angles formed by parallel lines and a transversal					
GEOMETRY	Polygons and Regions	(a) describe a polygon and a region. (b) construct different type of triangles. (c) construct different quadrilaterals.					
GEOMETRY	Circle	(a) draw a circle. (b) describe different parts of a circle.					

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ALGEBRA	Algebraic Operations	(a) use symbols to form algebraic expressions. (b) simplify algebraic expressions.					
ALGEBRA	Equations with One Unknown	(a) solve an equation in one unknown. (b) form and solve an equation from world problems					
ALGEBRA	Equations in Two Unknowns	1. solve simultaneous linear equations. 2. form linear simultaneous equations from practical situations. 3. solve linear simultaneous equations from practical situations					
ALGEBRA	Inequalities	1. solve linear inequalities in one unknown. 2. form linear inequalities from practical situations. 3. solve linear inequalities from practical situations					
NUMBERS	Rational Numbers	1. define a rational number. 2. Perform the basic operations on rational numbers					
NUMBERS	Irrational Numbers	define irrational numbers					
NUMBERS	Real Numbers	1. define real numbers. 2. find absolute value of real numbers. 3. solve related practical problems					

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RATIO, PROFIT AND LOSS	Ratio	1. express a ratio in its simplest form. 2. divide a given quantity into proportional parts					
RATIO, PROFIT AND LOSS	Profits and Loss	1. find profit or loss 2. calculate percentage profit and percentage loss					
RATIO, PROFIT AND LOSS	Simple Interest	1. calculate simple interest 2. solve real life problems related to simple interest					
COORDINATE GEOMETRY	Coordinates of a Point	1. read the coordinates of a point. 2. Plot a point given its coordinates. 3. Locate a point on the coordinate plane.					
COORDINATE GEOMETRY	Gradient (Slope) of a Line	calculate the gradient of a line given two points					
COORDINATE GEOMETRY	Equation of a Line	find the equation of a line given the coordinates of two points on a line.					
COORDINATE GEOMETRY	Graphs of Linear equations	1. form the table of values. 2. draw the graph of a linear equation					
COORDINATE GEOMETRY	Simultaneous Equations	solve linear simultaneous equations graphically.					
PERIMETERS AND AREAS	Perimeters of Triangles and Quadrilaterals	find the perimeters of triangles and quadrilaterals					

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PERIMETERS AND AREAS	Circumference of a Circle	1. estimate the value of pie. 2. calculate the circumference of a circle.					
PERIMETERS AND AREAS	Areas of rectangles and triangles	1. calculate the area of a rectangle 2. calculate the area of a triangle					
PERIMETERS AND AREAS	Areas of rectangles and triangles	1. calculate the area of a rectangle 2. calculate the area of a triangle					
PERIMETERS AND AREAS	Areas of trapezium and parallelogram	1. calculate are of a parallelogram 2. calculate the area of a trapezium					
PERIMETERS AND AREAS	Area of a Circle	calculate areas of circles					