Main Competence	Specific Competence	Teaching Activities	Month	Week	Periods	Reference	Teaching & Learning Tools	Assessment Tools	Remarks
				Orientation course (08/01/2024- 23/02/2024)					
USE NUMBERS	write Base Ten Numiration	i)To lead students to identify base ten numeration with the ten digits ii)to lead students to write numbers up to one billion in numerals	February	Week 4	6	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	i) Number cards, ii)Number charts , iii)Abacus ,	• Quizzes, questions and answers	
USE NUMBERS	know Natural and Whole Number	i)To lead students to discuss the role of numbers in daily life. ii)To demonstrate natural and whole numbers using the number line,	March	Week 1	6	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	iv) Clock faces , v) Digital Addition templates vi) Base ten mat	• class presentation, tests and group discussion	
USE NUMBERS	perform Operations with Whole Number-s	(i) To lead students to perform addition in horizontal and vertical arrangements. (ii) To lead students to perform subtraction in horizontal and vertical. (iii) To explain the meaning of multiplication in relation to addition. (iv) To explain the meaning of division in relation to subtraction and multiplication. (v) To use relevant examples to lead students to discuss how to use basic operations to solve world problems. (vi) To use relevant examples to lead students to discuss how to use basic operations to solve word problems	March	Week 2	6	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Multiplication tables, Abacus	• observation, remedial work, take home assignment	

Main Competence	Specific Competence	Teaching Activities	Month	Week	Periods	Reference	Teaching & Learning Tools	Assessment Tools	Remarks
USE NUMBERS	Find Factors and Multiples of Numbers	i)To demonstrate how to find all factors/divisors of a given number. ii) To show students how to find the prime factors of given numbers by a factor tree. iii) To use questions and answers to lead students in listing multiples of numbers. iv) To guide students to identify common factors of two or more numbers. v) To lead students to discuss how to find the greatest common factor of two or more numbers. vi) To lead a discussion on how to find the lowest common multiples (LCM) of two or more numbers.	March	Week 3	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Factor tree, Factor chart and Number cards	• Quizzes, questions and answers	
USE NUMBERS	compute Integers	i) To guide discussion on real life examples which portray the concepts of positive and negative numbers such as debts and credits, above and below sea level and temperatures above and below zero.	March	Week 3	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Manila paper, Marker pens, Abacus and Number line	• class presentation, tests and group discussion	
MID TERM EXAM-22/03/2024-27/03/2024 MID TERM BREAK-28/03/2024-07/04/2024									
USE NUMBERS	compute Integers	ii) To demonstrate to the students how to represent integers on the number line. iii) To demonstrate on the use of the number line to perform addition of integers. iv) The teacher to lead students to use the number line to perform subtraction of integer. v) To lead students to perform the multiplication of integers. vi) To lead a discussion on the division of integers.	April	Week 3	6	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Manila paper, Marker pens, Abacus and Number line	• observation, remedial work, take home assignment	

Main Competence	Specific Competence	Teaching Activities	Month	Week	Periods	Reference	Teaching & Learning Tools	Assessment Tools	Remarks
COMPUTE FRACTIONS	Use Proper, Improper and Mixed Numbers	i) To use familiar examples to demonstrate fractions. ii) To lead the students to compare and contrast numerator and denominator, different fractions, so as to distinguish between proper and improper fractions.	April	Week 4	6	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Pair of scissors, Manila paper and Razor blade	• Quizzes, questions and answers • class presentation, tests and group discussion	
COMPUTE FRACTIONS	Make Comparison of Fractions	i) To demonstrate to students how to simplify fractions to lowest terms. ii) To demonstrate how to generate equivalent fractions by multiplying or dividing the numerator and denominator by the same number. iii) To lead discussion on how to use LCM to compare different fractions	May	Week 1	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Number of line, Manila paper , Oranges, etc	• Quizzes, questions and answers • class presentation, tests and group discussion	
COMPUTE FRACTIONS	Carry Operations on Fractions	i) To lead students to perform addition of fractions using real objects. ii) To lead students to perform subtraction of fractions using real objects. iii) To guide students to conduct multiplication of fractions using illustration.	May	Week 1	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Oranges, Manila, Marker pens and Real objects	• Quizzes, questions and answers, • class presentation, tests, monthly evaluation • project work, debates, group discussion, • observation, remedial work, take home assignment	
COMPUTE FRACTIONS	Carry Operations on Fractions	iv) To demonstrate the division of fractions. v) To guide students to solve mixed operations on fractions. vi) To formulate practical problems involving fractions and lead students in solving them systematically.	May	Week 2	6	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Oranges, Manila, Marker pens and Real objects	• Quizzes, questions and answers	
COMPUTE DECIMALS AND PERCENTAGES	Find Decimals	i) To lead students to explain the concept of decimals by brainstorming. ii) To demonstrate the conversion of fractions to terminating and repeating decimals and vice versa	May	Week 3	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Shillings and Cents	• class presentation, tests and group discussion	

Main Competence	Specific Competence	Teaching Activities	Month	Week	Periods	Reference	Teaching & Learning Tools	Assessment Tools	Remarks
COMPUTE DECIMALS AND PERCENTAGES	Operations on Decimals	i) To lead a discussion on the relationship between decimals and other numbers. ii) To demonstrate the plotting of the decimals on the number line. iii) To lead students to discuss the multiplication of decimals horizontally and vertically. iv) The teacher to lead students to discuss the division of decimals. v) To demonstrate the subtraction of decimals vertically and horizontally. vi) To formulate practical problems involving fractions and lead students in solving them systematically	May	Week 3	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Shillings and Cents	• observation, remedial work, take home assignment	
TERMINAL EXAM- 20/05/2024-30/05/2024 END OF TERM ONE HOLIDAY BREAK-31/05/2024-01/07/2024									
COMPUTE DECIMALS AND PERCENTAGES	calculate Percentages	i) To discuss with students how to express a quantity as a percentage. ii)To demonstrate the conversion of fractions into percentages by multiplying by 100%. iii) To lead students to discuss how to convert percentages into fractions by dividing by 100%. iv) To lead a discussion with students how to convert decimals into percentages. v) To guide students to convert percentages into decimals. vi) To guide students to discuss how to solve daily life problems involving percentages.	July	Week 1	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Shillings, Cents, Pie charts and Research reports	• Quizzes, questions and answers, • class presentation, tests, monthly evaluation • project work, debates, group discussion, • observation, remedial work, take home assignment	
UNDERSTAND UNITS	Find Units of Length	The teacher to demonstrate the computation and conversion of one unit into the other.	July	Week 1	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Meter ruler & Charts	• Quizzes, questions and answers	

Main Competence	Specific Competence	Teaching Activities	Month	Week	Periods	Reference	Teaching & Learning Tools	Assessment Tools	Remarks
UNDERSTAND UNITS	Find Units of Mass	i) To guide students to discuss the metric system of mass and their prefixes. ii) To demonstrate the conversion of one unit to the other. iii) To demonstrate the computations on metric unit of mass.	July	Week 2	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Weighing scale, Spring balance and Standard weights charts of units of mass	• Quizzes, questions and answers, • class presentation, tests, monthly evaluation • project work, debates, group discussion, • observation, remedial work, take home assignment	
UNDERSTAND UNITS	Find Units of time	i) To lead students to discuss how to read and write time using a 12 hour clock. ii) To demonstrate the conversion of one unit of time to another. iii) To lead student to discuss how to read and write time using a 24 hour clock. iv) To guide students discuss on how to convert time from 12 hour clock to a 24-hour clock and vice versa.	July	Week 2	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Clock faces, Time tables, 24 hour clock and 12 hour clock	• Quizzes, questions and answers	
UNDERSTAND UNITS	Find Units of Capacity	i) To describe the meaning of capacity and relate it with volume of quantities. ii) To lead a discussion on how a litre is related to other units of volume. iii) The teacher to lead students to brainstorm on various daily life situations in which a litre is applied to measure capacity.	July	Week 3	6	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Litre containers, Bottles	• class presentation, tests and group discussion	
MAKE APPROXIMATIONS	Find Rounding off Numbers	i) To show students how to round-off numbers when the digit to he right is less than 5 and when the digit to the right is greater than or equal to 5. ii) To lead students to round off decimals to the given number of decimal places when the digit to the right are <5 and when the digits to the right are >5.	July	Week 4	6	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Number patterns, Charts, Manila paper and Marker pens	• observation, remedial work, take home assignment	

Main Competence	Specific Competence	Teaching Activities	Month	Week	Periods	Reference	Teaching & Learning Tools	Assessment Tools	Remarks
MAKE APPROXIMATIONS	Find Significant Figures	The teacher to lead a discussion on how to write numbers with decimals into significant figures.	August	Week 1	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Manila paper and Marker pens	• Quizzes, questions and answers	
MAKE APPROXIMATIONS	Find Approximations in Calculations	To guide students to do approximations to the numbers in calculations using knowledge of round off numbers.	August	Week 1	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Number charts, Manila paper and Market pens	• class presentation, tests and group discussion	
APPLY GEOMETRY	Show Points and Lines	i) To lead students to discuss the concept of a point by using examples. ii) To demonstrate how the idea of points can be extended to get a straight line. iii) To show the students how to draw a line, a line segment and a ray.	August	Week 2	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Mathematical Set, Chalk Board ruler, Manila paper & Marker pen	• observation, remedial work, take home assignment	
APPLY GEOMETRY	Show Angles	i) To demonstrate drawing of an angle using two rays starting at a point. ii) To show the students how to name and angle. iii) To lead students to draw and name different types of angles. For example straight line, right angle, acute, obtuse, and reflex. iv) To guide students to observe a protractor and measuring angles using protractor. (v) The teacher to demonstrate how to draw an angle using a protractor. vi)To demonstrate how to draw an angle using using protractor	August	Week 2	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Manila paper, Mathematical instruments, Chalkboard ruler, Protractor and Protractor ruler	• Quizzes, questions and answers	

Main Competence	Specific Competence	Teaching Activities	Month	Week	Periods	Reference	Teaching & Learning Tools	Assessment Tools	Remarks
APPLY GEOMETRY	Show Constructions	i) To demonstrate to students how to construct perpendicular bisector to a line segment using compasses. ii) To demonstrate to the students how to construct an angle of 60 degrees by using compasses. iii) To illustrate to the students how to bisect a angle by using compasses. iv) To lead students to construct angles of 30, 45, 150, 120 and 135 degree by combining constructions. v) To show the students how to copy a given angle by construction. vi) To demonstrate to the students how to construct parallel lines. vii) To lead students to discuss different types of angles formed by parallel lines and a transversal, including corresponding angles, alternate interior angles, alternate exterior angles, vertically opposite angles, complementary angles and su	August	Week 3	2	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Mathematical instruments and Ruler	• Quizzes, questions and answers	
APPLY GEOMETRY	Show Polygons and Regions	i) To guide the students to draw a polygon and its properties (sides, vertices, angles). ii) To show how to draw and name triangles and lead students to discuss on the sides, vertices and angles. iii) To lead students to discuss different types of triangles and their properties. iv) To guide students to draw triangles using mathematical sets (given three sides, one side and two angles, two sides and the included angle). v) The teacher to lead students to discuss how to construct rectangles, parallelograms, square, rhombus and trapezium.	August	Week 3	2	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Mathematical instruments, Ruler, Geoboard and Rubber bands	• class presentation, tests and group discussion	

Main Competence	Specific Competence	Teaching Activities	Month	Week	Periods	Reference	Teaching & Learning Tools	Assessment Tools	Remarks
APPLY GEOMETRY	use Circle	i) To lead students to identify circular objects in the surrounding. ii) To demonstrate how to draw a circle using compasses. iii) To guide students to draw circles of different sizes using compasses. iv) To lead students to discuss the following terms: centre, diameter, radius, chord, circumference, arc, segment, sector.	August	Week 3	2	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Geometrical instruments, Manila paper, Ropes, Circular objects and Mathematical instruments	• class presentation, tests and group discussion	
MANIPULATE ALGEBRA	Find Algebraic Operations	i) To use daily life examples to show how letters are used to represent objects. ii) To demonstrate to the students how letters can be used to represent numbers. iii) To show students how to form algebraic expressions using letters. iv) To guide students to discuss how to add and subtract like terms. v) To lead students to discuss on the multiplication and division of like and unlike terms. vi) To lead students discuss how to simplify expressions involving brackets and fractions.	August	Week 3	2	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Colored chalk Manila Cards	• Quizzes, questions and answers	
MID TERM EXAM-23/08/2024-29/08/2024-MID TERM BREAK-30/08/2024-16/09/2024									
MANIPULATE ALGEBRA	Find Equations with One Unknown	i) To demonstrate to the students how to solve equation of one unknown. ii) To lead the students to formulate equations involving one unknown from work problems	September	Week 3	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Beam balance, Colored chalk,) Manila paper and Marker pen	• Quizzes, questions and answers	

Main Competence	Specific Competence	Teaching Activities	Month	Week	Periods	Reference	Teaching & Learning Tools	Assessment Tools	Remarks
MANIPULATE ALGEBRA	Find Equations in Two Unknowns	i) To lead students to generate possible solutions (ordered pairs) of an equation in two unknowns. ii) To demonstrate how to solve linear simultaneous equations by elimination method. iii) To demonstrate how to solve linear simultaneous equations by the substitution method. iv) To lead students to form linear simultaneous equations from word problems v) To lead a discussion with students on various situations in daily life in which linear simultaneous equations are applied.	September	Week 3	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Graph papers • Manila paper • Marker pens • Worksheets	- observation, remedial work, take home assignment	
MANIPULATE ALGEBRA	Find Inequalities	i) To lead the students on how to use the symbols >, >=, <, and =< in mathematical statements. ii) To demonstrate to the students how to solve inequalities involving one unknown without changing the sign. iii) To demonstrate to the students to solve inequalities involving changing the sing. iv) To lead students group discussion on how to form linear inequalities from word problems. v) To guide students to solve linear inequalities involving word problems	September	Week 4	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Manila paper • Market pens • Worksheet	- Quizzes, questions and answers	
MANIPULATE ALGEBRA	Find Rational Numbers	i) To lead students to discuss rational numbers. ii) To demonstrate to students on how to perform the basic operations with rational numbers. iii) To lead students to make conclusions on the presented work. iv) To demonstrate multiplication and division of rational numbers	September	Week 4	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Number line • Manila paper • Worksheets	- Quizzes, questions and answers	

Main Competence	Specific Competence	Teaching Activities	Month	Week	Periods	Reference	Teaching & Learning Tools	Assessment Tools	Remarks
MANIPULATE ALGEBRA	Find Irrational Numbers	ii) To demonstrate to students on how to perform the basic operations with rational numbers. iii) To lead students to make conclusions on the presented work. iv) To demonstrate multiplication and division of rational numbers	October	Week 1	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Charts	- Quizzes, questions and answers	
MANIPULATE ALGEBRA	calculate Real Numbers	i) To use the number line to illustrate tire concept of real numbers. ii) To explain to students the concept of absolute value of real numbers using practical examples. iii) To demonstrate the absolute value of a number. iv) To lead students to explore various activities in which absolute value of numbers is practiced.	October	Week 1	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Manila paper • Marker pen • Graph papers • Worksheets	- Quizzes, questions and answers	
CALCULATE RATIO, PROFIT AND LOSS	Find Ratio	i) To lead students to discuss the relationship between ratio and fraction. ii) To guide students to make correct conclusions. iii) To lead students to discuss on how to divide a given quantity into its proportional parts.	October	Week 2	2	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Money • Real objectives • Physical Items	- class presentation, tests and group discussion	
CALCULATE RATIO, PROFIT AND LOSS	Find Profits and Loss	i) To lead students to discuss on the meaning of profit and loss. ii) To demonstrate how to calculate percentage profit or percentage loss.	October	Week 2	2	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Money • Real objectives • Physical Items	- class presentation, tests and group discussion	
CALCULATE RATIO, PROFIT AND LOSS	Find Simple Interest	i) To lead students to discuss on the formula I=PRT/100 for calculating simple interest. ii) To lead students to solve real life problems related to simple interest.	October	Week 3	2	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Money Bank • Bank Statements • Worksheet	- class presentation, tests and group discussion	

Main Competence	Specific Competence	Teaching Activities	Month	Week	Periods	Reference	Teaching & Learning Tools	Assessment Tools	Remarks
APPLY COORDINATE GEOMETRY	Find Coordinates of a Point	i) To lead students to discuss how to draw and label the coordinate axes. ii) To lead students to plot a point in the xy plane. iii) To lead students in plotting points of given coordinates. iv) To demonstrate the location of a point on the xy plane.	October	Week 3	4	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Geoboard • Manila paper • Graph paper • Rubber band	- class presentation, tests and group discussion	
APPLY COORDINATE GEOMETRY	Find Gradient (Slope) of a Line	i) To lead students to discuss the meaning of gradient (slope) of a line. ii)To guide students to determine the gradient of a line given two points.	October	Week 4	2	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Geoboard • Manila paper • Graph paper • Rubber band	- class presentation, tests and group discussion	
APPLY COORDINATE GEOMETRY	Find Equation of a Line	To lead students to use the definition of gradient to determine the equation of a line in the form y=mx + c, where m=gradient and c=y-intercept.	October	Week 4	2	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Manila paper • Rubber band • Graph paper	- class presentation, tests and group discussion	
APPLY COORDINATE GEOMETRY	Find Graphs of Linear equations	i) To lead the students to form a table of values and intercepts of a given linear equation. ii) To demonstrate on how to draw the graph of linear equations using a table of values.	November	Week 1	6	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Graph paper • Graph board	- class presentation, tests and group discussion	
APPLY COORDINATE GEOMETRY	Solve Simultaneous Equations	i) To guide students to plot the graph of the linear equations on the same coordinate plane. ii) To lead students to determine the point of in Students individually to read the solution of linear simultaneous equations from the point of intersection.	November	Week 2	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Graph paper	- class presentation, tests and group discussion	

Main Competence	Specific Competence	Teaching Activities	Month	Week	Periods	Reference	Teaching & Learning Tools	Assessment Tools	Remarks
FIND PERIMETERS AND AREAS	Find Perimeters of Triangles and Quadrilaterals	i) To lead students to discuss the meaning of perimeters. ii) To lead students to discuss how to determine perimeters of triangles and quadrilaterals. iii) To lead students to make conclusions on the group work presentations.	November	Week 2	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Triangles • Quadrilaterals • Rope • Tape measure • Rule	- Quizzes, questions and answers	
FIND PERIMETERS AND AREAS	Find Circumference of a Circle	i) To lead students to measure the circumference and diameter of difference and diameter of different circular objects practically. ii) To lead students to find the ratio of circumference, using the obtained measurement of diameter. iii) To lead students to compare their results to reduce the value of pie. iv) To demonstrate the calculation of circumference of a circle	November	Week 3	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Circular objects • Rope • Thread • Ruler • Worksheet	- Quizzes, questions and answers	
FIND PERIMETERS AND AREAS	Find Areas of rectangles and triangles	i) To lead students to discuss on how to obtain the formula for the area of rectangle. ii) To guide students to discuss on how to reduce the area of a triangle from the area of a rectangle.	November	Week 3	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Manila paper • Marker pen • Geo-board	- Quizzes, questions and answers	
FIND PERIMETERS AND AREAS	Find Areas of rectangles and triangles	i) To lead students to discuss on how to obtain the formula for the area of rectangle. ii) To guide students to discuss on how to reduce the area of a triangle from the area of a rectangle.	November	Week 4	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Manila paper • Marker pen • Geo-board	- Quizzes, questions and answers	

Main Competence	Specific Competence	Teaching Activities	Month	Week	Periods	Reference	Teaching & Learning Tools	Assessment Tools	Remarks
FIND PERIMETERS AND AREAS	Find Areas of trapezium and parallelogram	i) To lead students to find the formula to calculating the area of parallelogram. ii) To lead students to obtain the formula for calculating the area of a trapezium.	November	Week 4	3	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	• Manila • Marker pen • Geoboard	- Quizzes, questions and answers	
FIND PERIMETERS AND AREAS	Find Area of a Circle	To guide a students on how to perform a practical exercise on how to determine the formula for finding the area of a circle	December	Week 1	6	Basic Mathematics For Secondary Schools. Students Book Form One. By T.I.E	Worksheets	- Quizzes, questions and answers	
ANNUAL EXAMINATION 28/11/2024-05/12/2024 END OF YEAR HOLIDAY 07/12/2024									