[Mathematics](https://www.shuledirect.co.tz/notes/list_notes/2/22472)

1. [Numbers](https://www.shuledirect.co.tz/notes/list_notes/2/22472#22473)
   1. Base Ten Numeration
      * Identify the place value in each digit in base ten numeration
      * Read numbers in base ten numeration
      * Write numbers in base ten numeration up to one billion
      * Apply numbers in daily life
   2. Natural and Whole Number
      * Distinguish between natural and whole numbers
      * Identify even ,odd, and prime numbers
      * Show even , odd and prime numbers on number lines
   3. Operations with Whole Numbers
      * Add whole numbers
      * Subtract whole numbers
      * Multiply whole numbers
      * Divide whole numbers
      * Use the four operations in solving word problems
   4. Factors And Multiples Of Numbers
      * Find factors of a number
      * Find multiples of a number
      * Use factors to find the greatest common factors(GCF) of numbers
   5. Integers
      * Identify integers
      * Add integers
      * Subtract integers
      * Multiply integers
      * Divide integers
      * Perform mixed operations on integers
2. [Fractions](https://www.shuledirect.co.tz/notes/list_notes/2/22472#22521)
   1. Proper, Improper and Mixed Numbers
      * Describe a fraction
      * Distinguish proper, improper fractions and mixed numbers
   2. Comparison of Fractions
      * Simplify a fraction to its lowest terms
      * Identify equivalent fractions
      * Arrange fractions in order of size
   3. Operations and Fractions
      * Add fractions
      * Subtract fractions
      * Multiply fractions
      * Divide fractions
      * Perform mixed operations on fractions
      * Solve word problems involving fractions
3. [Decimal And Percentage](https://www.shuledirect.co.tz/notes/list_notes/2/22472#22547)
   1. Decimals
      * Explain the concept of decimals
      * Convert fractions to terminating decimals and vice versa
   2. Operations and Decimals
      * Add decimals
      * Subtract decimals
      * Multiply decimals
      * Perform mixed operations with decimals
      * Solve word problems involving decimals
   3. Percentages
      * Express a quantity as a percentage
      * Convert a fraction into percentage and vice versa
      * Convert a decimal into percentage and vice versa
      * Apply percentages in daily life
4. [Units](https://www.shuledirect.co.tz/notes/list_notes/2/22472#22573)
   1. Units of Length
      * Convert one unit of length to another
      * Perform computations on metric units of length
   2. Unit of Mass
      * Convert one unit of mass to another
      * Perform computation on metric units of mass
   3. Units of Time
      * Convert one unit of time to another
      * Read and convert unit time of 12 hour clock to 24 hour clock and vice versa
   4. Units of Capacity
      * State the standard unit of measuring capacity
      * Use the litre in daily life
5. [Approximations](https://www.shuledirect.co.tz/notes/list_notes/2/22472#22594)
   1. Rounding Off Numbers
      * Round off whole numbers to given place values
      * Round off decimals to a given number of decimal place
   2. Significant Figures
      * Write a number to a given number of significant figures
   3. Approximations in Calculations
      * Use the knowledge of rounding off of numbers in computations involving large numbers and small numbers
6. [Geometry](https://www.shuledirect.co.tz/notes/list_notes/2/22472#22606)
   1. Points and Lines
      * Explain the concept of a point
      * Extend the concept of a point to draw a line
      * Distinguish between a line, a line segment and a ray
   2. Angles and Lines
      * Draw angles
      * Measure angles of different size using a protractor
      * Draw angles using a protractor
   3. Constructions
      * Construct a perpendicular bisector to a line segment
      * Construct an angle of 60° using a pair of compasses
      * Bisect a given angle
      * Copy a given angle by construction
      * Construct parallel lines
      * Identify different types of angles formed by parallel lines and a transversal
   4. Polygons And Regions
      * Describe a polygon and a region
      * Construct different types of triangles
      * Construct different quadrilaterals
   5. Circles
      * Draw a circle
      * Describe different parts of a circle
7. [Algebra](https://www.shuledirect.co.tz/notes/list_notes/2/22472#22646)
   1. Algebraic Operations
      * Use symbols to form algebraic expressions
      * Simplify algebraic expressions
   2. Equations with One Unknown
      * Solve an equation with one unknown
      * Form and solve an equation from word problems
   3. Equations with Two Unknowns
      * Solve simultaneous equations
      * Solve linear simultaneous equations from practical situations
   4. Inequalities
      * Solve linear inequalities in one unknown
      * Form linear inequalities from practical situations
8. [Numbers (II)](https://www.shuledirect.co.tz/notes/list_notes/2/22472#22669)
   1. Rational Numbers
      * Define a rational number
      * Perform the basic operations on rational numbers
   2. Irrational Numbers
      * Define irrational numbers
   3. Real Numbers
      * Define real numbers
      * Find absolute value of real numbers
      * Solve related practical problems
9. [Ratio, Profit And Loss](https://www.shuledirect.co.tz/notes/list_notes/2/22472#22685)
   1. Ratio
      * Express a ratio in its simplest form
      * Divide a given quantity into proportional parts
   2. Profits and Loss
      * Find profit or loss
      * Calculate percentage profit and percentage profit and percentage loss
   3. Simple Interest
      * Calculate simple interest
      * Solve real life problems related to simple interest
10. [Coordinate Geometry](https://www.shuledirect.co.tz/notes/list_notes/2/22472#22701)
    1. Coordinates of a Point
       * Read the coordinates of a point
       * Plot a point given its coordinates
       * Locate a point on the coordinates
    2. Gradient (Slope) of a Line
       * Calculate the gradient of a line given two points
    3. Equation of a Line
       * Find the equations of a line given the coordinates of two points on a line
    4. Graphs of Linear Equations
       * Form the table of value
       * Draw the graph of a linear equation
    5. Simultaneous Equations
       * Solve linear simultaneous equations graphically
11. [Perimeters And Areas](https://www.shuledirect.co.tz/notes/list_notes/2/22472#22723)
    1. Perimeters of Triangles and Quadrilaterals
       * Find the perimeters of triangles and quadrilaterals
    2. Circumference of a Circle
       * Estimate the value of Pi ( Π)
       * Calculate the circumference of a circle
    3. Areas of Rectangles and Triangles
       * Calculate the area of a rectangle
    4. Areas of Trapezium and Parallelogram
       * Calculate area of a parallelogram
       * Calculate the area of a trapezium
    5. Area of a Circle
       * Calculate areas of circle