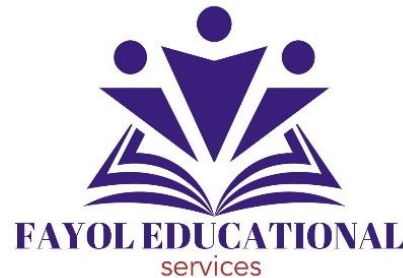


FAYOL



# FAYOL EDUCATIONAL SERVICES

ANNUAL & TERMLY SCHEME OF LEARNING

2024/2025 ACADEMIC YEAR – **TERM I**

MATHEMATICS B7-B9

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## B7 MATHEMATICS - ANNUAL SCHEME OF LEARNING

WEEKS	TERM ONE	TERM TWO	TERM THREE
1	Numeration Systems	Ratios and Proportion	Shape and Space
2	Numeration Systems	Ratios and Proportion	Shape and Space Measurement
3	Numeration Systems Number Operations	Ratios and Proportion Patterns and Relations	Measurement
4	Number Operations	Patterns and Relations	Measurement
5	Number Operations	Patterns and Relations Algebraic Expressions	Measurement
6	Number Operations	Algebraic Expressions	Measurement
7	Number Operations	Variables and Equations	Position and Transformation
8	Number Operations	Variables and Equations	Position and Transformation
9	Fractions	Shape and Space	Data
10	Fractions	Shape and Space	Data



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11	Fractions	Shape and Space	Data Chance or Probability
12	Fractions	Shape and Space	Chance or Probability



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## B7 MATHEMATICS - FIRST TERM SCHEME OF LEARNING

WEEKS	STRAND	SUB STRAND	INDICATORS	RESOURCES
1 13/9/24	<b>REVISION</b>			
2 20/9/24	Number	Numeration Systems	B7.1.1.1.1 Model number quantities more than 1,000,000,000 using graph sheets, isometric papers and multi-base blocks. B7.1.1.1.2 Compare and order whole numbers more than 1,000,000,000 and represent the comparison using ">, <, or="	Counters, bundle and loose straws base ten cut square, Bundle of sticks
3 27/9/24	Number	Numeration Systems	B7.1.1.1.3 Round (off, up, down) whole numbers more than 1,000,000,000 to the nearest hundred-thousand, ten-thousands, thousands, hundreds and tens. B7.1.1.1.4 Round decimals to the nearest tenth, hundredth, thousandths, etc.	
4 4/10/24	Number	Numeration Systems Number Operations	B7.1.1.1.5 Express decimal numerals to given significant and decimal places. B7.1.2.1.1 Multiply and divide given numbers by powers of 10 including decimals and benchmark fractions	
5 11/10/24	Number	Number Operations	B7.1.2.1.2 Apply mental mathematics strategies and number properties used to perform calculations B7.1.2.1.3 Apply mental mathematics strategies to solve word problems.	



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<b>6</b> <b>18/10/24</b>	Number	Number Operations	B7.1.2.2.1-2 Add and subtract up to four-digit numbers. Multiply or divide multi-digit numbers by 1- and 2- digit numbers	square, Bundle of sticks
<b>7</b> <b>25/10/24</b>	Number	Number Operations	B7.1.2.2.3 Create and solve story problems involving decimals on the four basic operations B7.1.2.3.1 Illustrate with examples the meaning of repeated factors using counting objects such as bottle tops or bundle sticks.	Abacus, Color coded materials, place value chart, Number facts flash cards; Flashcards
<b>8</b> <b>1/11/24</b>	Number	Number Operations	B7.1.2.3.2 Express a given number as a product of a given number or numbers, as well as, in the form of a power or two such numbers as product of powers B7.1.2.3.3 Show that the value of any natural number with zero as its exponent or index is 1 and use it to solve problems. B7.1.2.3.4 Find the value of a number written in index form.	
<b>9</b> <b>8/11/24</b>	Number	Number Operations	B7.1.2.3.4 Find the value of a number written in index form. B7.1.2.3.5 Apply the concept of powers of numbers (product of prime) to find Highest Common Factor (HCF).	
<b>10</b> <b>15/11/24</b>	Number	Fractions	B7.1.3.1.1 Determine and recall the percentages and decimals of given benchmark fractions (i.e. tenths, fifths, fourths, thirds and halves) and use these to compare quantities. B7.1.3.1.2 Compare and order fractions (i.e. common, percent and decimal fractions up to thousandths) limit to the benchmark fractions.	Square grid sheet; Geodot paper for shading fractions



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<b>11</b> <b>22/11/24</b>	Number	Fractions	B7.1.3.2.1 Explain the process of addition and subtraction of two or three unlike and mixed fractions.  B7.1.3.2.2 Solve problems involving addition or subtraction of fractions.	Paper strips, cut out cards; Benchmark fractions chart;
<b>12</b> <b>29/11/24</b>	Number	Fractions	B7.1.3.3.1 Explain the process of multiplying a fraction (i.e. common, percent and decimal fractions up to thousandths) by a whole number and by a fraction.  B7.1.3.3.2 Find a fraction of given quantity (i.e. money or given quantity of objects)	
<b>13</b> <b>5/12/24</b>	Number	Fractions	B7.1.3.3.3 Explain the process of dividing a fraction (i.e. common, percent and decimal fractions up to thousandths) by a 1-digit whole number and by a fraction.  B7.1.3.3.4 Determine the result of dividing a quantity (i.e. money or objects) or a fraction by a fraction	
<b>14</b> <b>13/12/24</b>	<b>END OF TERM ASSESSMENT</b>			
<b>15</b> <b>20/12/24</b>	<b>VACATION AND SBA ACTIVITIES</b>			



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## B8 MATHEMATICS – ANNUAL SCHEME OF LEARNING

WEEKS	TERM ONE	TERM TWO	TERM THREE
1	REVISION	Fractions, Decimals and Percentages	Data
2	Number and Numeration Systems	Fractions, Decimals and Percentages Ratios and Proportion	Data
3	Number and Numeration Systems	Ratios and Proportion	Data
4	Number and Numeration Systems	Ratios and Proportion	Shapes and Space
5	Number and Numeration Systems	Patterns and Relations	Measurement
6	Number Operations	Patterns and Relations	Measurement
7	Number Operations	Algebraic Expression	Measurement
8	Number Operations	Algebraic Expression	Measurement
9	Number Operations	Variables and Equations	Position and Transformation



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10	Number Operations	Variables and Equations	Position and Transformation
11	Number Operations	Shapes and Space	Chance or Probability
12	Number Operations	Shapes and Space	Chance or Probability



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# FAYOL

## B8 MATHEMATICS – FIRST TERM SCHEME OF LEARNING

WEEKS	STRAND	SUB STRAND	INDICATORS	RESOURCES
1 13/9/24	REVISION			
2 20/9/24	Number	Number and Numeration Systems  B8.1.1.1 Demonstrate understanding and the use of place value for expressing quantities in standard form and rounding numbers and decimals to significant figures and a given number of decimal places	B8.1.1.1.1-2  Apply the understanding of place value to read and write in number quantities over 1,000,000,000.  Skip count forwards and backwards in 10,000s, 100,000s, 500,000s, etc.	Place value chart
3 27/9/24	Number	Number and Numeration Systems  B8.1.1.1 Demonstrate understanding and the use of place value for expressing quantities in standard form and rounding numbers and decimals to significant figures and a given number of decimal places	B8.1.1.1.3-4  Compare and order whole numbers using “>”,  Express integers of any size into standard form	Place value chart
4 4/10/24	Number	Number and Numeration Systems  B8.1.1.1 Demonstrate understanding and the use of place value for expressing quantities in standard form and rounding numbers and decimals to significant figures and a given number of decimal places	B8.1.1.1.5-6  Express integers in a given number of significant and decimal places  Create and solve word or real-life problems on place values	Place value chart



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5 11/10/24	Number	<p>Number and Numeration Systems</p> <p>B8.1.1.2 Apply the concepts and vocabulary of sets on sets of factors of numbers to identify perfect squares, determine their square root and solve real life problems involving union and intersection of two sets</p>	<p>B8.1.1.2.1-2</p> <p>Use the concept of sets to identify perfect squares and determine the square roots. Use the knowledge on sets and sets of factors of numbers to solve problems</p> <p>Use the knowledge on sets and sets of factors of numbers to solve real life problems involving union and intersection</p>	Place value chart
6 18/10/24	Number	<p>Number Operations</p> <p>B8.1.2.1 Apply mental mathematics strategies and number properties used to solve problems</p>	<p>B8.1.2.1.1-2</p> <p>Multiply and divide by power of 10 including decimals and the benchmark fractions</p> <p>Apply mental mathematics strategies and number properties to do calculation</p>	Place value chart
7 25/10/24	Number	<p>Number Operations</p> <p>B8.1.2.1 Apply mental mathematics strategies and number properties used to solve problems</p>	<p>B8.1.2.1.3</p> <p>Apply mental mathematics strategies to solve word problems.</p> <p>B8.1.2.2.1</p> <p>Add and subtract more than four-digit numbers.</p>	Place value chart
8 1/11/24	Number	<p>Number Operations</p> <p>B8.1.2.2 Apply the understanding of the addition, subtraction, multiplication and division of (i) whole numbers within 10,000, and (ii) decimals up to 1/1000, to solve problems and round answers to given decimal places.</p>	<p>B8.1.2.2.2-3</p> <p>Multiply or divide multi-digit numbers by 2- and 3-digit numbers.</p> <p>Create and solve story problems involving decimals on the four basic operations.</p>	Place value chart



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<b>9</b> <b>8/11/24</b>	Number	Number Operations  B8.1.2.3 Demonstrate understanding and the use of the laws of indices in solving problems (including real life problems) involving powers of natural numbers	B8.1.2.3.1 Identify and explain the laws of indices	Place value chart
<b>10</b> <b>15/11/24</b>	Number	Number Operations  B8.1.2.3 Demonstrate understanding and the use of the laws of indices in solving problems (including real life problems) involving powers of natural numbers	B8.1.2.3.2 Apply the laws of indices to simplify and evaluate numbers involving powers of numbers. (PEDMAS)	Place value chart
<b>11</b> <b>22/11/24</b>	Number	Number Operations  B8.1.2.3 Demonstrate understanding and the use of the laws of indices in solving problems (including real life problems) involving powers of natural numbers	B8.1.2.3.3 Solve exponential equations	Place value chart
<b>12</b> <b>29/11/24</b>	Number	Number Operations  B8.1.2.3 Demonstrate understanding and the use of the laws of indices in solving problems (including real life problems) involving powers of natural numbers	B8.1.2.3.4 Solve real life problems involving powers of natural numbers.	Place value chart
<b>13</b> <b>5/12/24</b>	REVISION			
<b>14</b> <b>13/12/24</b>	END OF TERM ASSESSMENT			



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15  
20/12/24

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# FAYOL

## B9 MATHEMATICS – ANNUAL SCHEME OF LEARNING

WEEKS	TERM 1	TERM 2	TERM 3
1	Number and Numeration System	Ratios and Proportion	Data
2	Number and Numeration System	Ratios and Proportion	Data
3	Number Operations	Ratios and Proportion	Data
4	Number Operations	Algebraic Expressions	Measurement
5	Number Operations	Algebraic Expressions	Measurement
6	Number Operations	Algebraic Expressions	Measurement
7	Number Operations	Variables and Equations	Measurement
8	Fractions, Decimals and Percentages	Variables and Equations	Position and Transformation



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9	Fractions, Decimals and Percentages	Variables and Equations	Position and Transformation
10	Fractions, Decimals and Percentages	Shapes and Space	Position and Transformation
11	Patterns and Relations	Shapes and Space	Chance or Probability
12	Patterns and Relations	Shapes and Space	Chance or Probability



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# FAYOL

## B9 MATHEMATICS – FIRST TERM SCHEME OF LEARNING

WEEKS	STRAND	SUB STRAND	INDICATORS	RESOURCES
<b>1</b> <b>13/9/24</b>	<b>REVISION</b>			
<b>2</b> <b>20/9/24</b>	Number	Number & Numeration System	B9.1.1.1.1 Express integers to a given number of significant and decimal places B9.1.1.1.2. Use knowledge and understanding of place value to solve real life problems	Counters, bundle and loose straws.
<b>3</b> <b>27/9/24</b>	Number	Number & Numeration System	B9.1.1.2.1 Solve problems on relationship between members of the rational number system using knowledge and understanding of the concept of union and intersection of two sets B9.1.1.2.2 Apply the concept of sets to solve problems on relationship between members of rational number system and solve real life problems involving union and intersection of two sets	Counters, bundle and loose straws.
<b>4</b> <b>4/10/24</b>	Number	Number Operations	B9.1.2.1.1 Multiply and divide given numbers by powers of 10 including decimals and benchmark fractions B.9.1.2.1.2 Demonstrate the ability to determine commutative properties of addition and multiplication	Counters, bundle and loose straws.



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<b>5</b> <b>11/10/24</b>	Number	Number Operations	B9.1.2.1.3 Use the associative property of addition and multiplication.  B9.1.2.1.4 Use the distributive property in solving problems.	Counters, bundle and loose straws.
<b>6</b> <b>18/10/24</b>	Number	Number Operations	B9.1.2.2.1 Solve operations involving addition, subtraction, multiplication and division using word problems.  B9.1.2.2.2 Solve word problems involving the four basic operations and round the answers to the nearest two decimal figures or to some significant figures.	Counters, bundle and loose straws.
<b>7</b> <b>25/10/24</b>	Number	Number Operations	B9.1.2.4.1 Identify simple and compound surds.  B9.1.2.4.2 Explain the identities/rules of surds	Counters, bundle and loose straws.
<b>8</b> <b>1/11/24</b>	Number	Number Operations	B9.1.2.4.3 Simplify given surds  B9.1.2.3.4 Approximate the square roots of non-perfect squares with calculators/tables	Counters, bundle and loose straws.
<b>9</b> <b>8/11/24</b>	Number	Fractions, Decimals and Percentages	B9.1.3.1.1 Review fractions and solve problems involving basic operations on fractions	Counters, bundle and loose straws.
<b>10</b> <b>15/11/24</b>	Number	Fractions, Decimals and Percentages	B9.1.3.1.2 Add and/or subtract, multiply and/or divide given fractions, using the principle of order of operations including the use of the BODMAS or PEMDAS rule, and apply the understanding of these to solve problems.	Counters, bundle and loose straws.
<b>11</b> <b>22/11/24</b>	Number	Fractions, Decimals and Percentages	B9.1.3.1.3. Review word problems involving basic operations on fractions.	Counters, bundle and loose straws.



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<b>12</b> <b>29/11/24</b>	Algebra	Patterns and Relations	B9.2.1.1.1 Construct a table of values for two linear relations and graph the relation  B9.2.1.1.2 Use graphs of two linear relations to determine subsequent missing elements in ordered pairs of the relation	Cut out patterns
<b>13</b> <b>5/12/24</b>	Algebra	Patterns and Relations	B9.2.1.1.3 Use graphs to solve equations involving two linear relations.	Cut out patterns
<b>14</b> <b>13/12/24</b>	<b>END OF TERM ASSESSMENT</b>			
<b>15</b> <b>20/12/24</b>	<b>VACATION AND SBA ACTIVITIES</b>			



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