

**CONTENT DISTRIBUTION****SUBJECT: MATHEMATICS****Grade: Primary 2****Number of periods per week: 8**

1 <sup>st</sup> TERM		
UNIT 1: WHOLE NUMBERS FROM 0 UP TO 200		Periods: 40
Key unit competence: To be able to count, read, write, arrange, compare, add and subtract, multiply and divide whole numbers from 0 up to 200.		
Weeks	Lesson title	Number of periods
1	Counting groups of objects from 1 to 200.	2
	Reading and writing numbers from 0 to 200 in figures.	2
	Reading and writing numbers from 0 to 200 in words.	2
	Grouping numbers from 1 to 200 into ones, tens and hundreds.	2
2	Comparing numbers that do not exceed 200.	2
	Arranging numbers that do not exceed 200 in ascending and descending order.	2
	Mental Addition of numbers whose sum does not exceed 200	1
	Addition of Numbers whose sum does not exceed 200 without carrying.	1
	Addition of Numbers whose sum does not exceed 200 with carrying.	2
3	Word problems involving addition of numbers whose sum does not exceed 200.	2
	Subtraction of numbers that do not exceed 200 mentally.	1
	Subtraction of numbers that do not exceed 200 without borrowing.	1
	Subtraction of numbers that do not exceed 200 with borrowing.	2
	Word problems involving subtraction of numbers whose difference does not exceed 200.	1
	Word problems involving addition and subtraction	1
4	Multiplication of whole numbers by 2 and multiples of 2 that do not exceed 20	1
	Multiplication of 2digit numbers or 3digit numbers by 2 without carrying.	2
	Word problems involving multiplication of 2digit numbers or 3digit numbers by 2 without carrying.	1
	Division of 2digit numbers or 3digit numbers by 2 without remainder.	2
	Word problems involving division of 2digit numbers or 3digit numbers by 2 without remainder.	1
	Multiplication of whole numbers by 3 and multiples of 3 that do not exceed 30	1

5	Multiplication of 2 digit numbers or 3digit numbers by 3 without carrying.	1
	Word problems involving multiplication of 2digit numbers or 3digit numbers by 3 without carrying	1
	Division of 2digit numbers or 3digit numbers by 3 without remainder.	2
	Word problems involving division of 2digit numbers or 3digit numbers by 3 without remainder	1
	Word problems involving multiplication and division	1
	End unit assessment	2
<b>UNIT 2: WHOLE NUMBERS FROM 0 UP TO 500</b>		<b>Periods: 40</b>
Key unit competence: To be able to count, read, write, arrange, compare, add and subtract, multiply and divide whole numbers from 0 to 500.		
<b>Weeks</b>	<b>Lesson title</b>	<b>Number of periods</b>
6	Counting groups of objects from 1 to 500.	2
	Reading and writing numbers from 0 to 500 in figures.	1
	Reading and writing numbers from 0 to 500 in words.	1
	Grouping numbers from 1 to 500 into ones, tens and hundreds.	2
	Comparing numbers that do not exceed 500.	2
7	Arranging numbers that do not exceed 500 in ascending and descending order.	2
	Mental Addition of numbers whose sum does not exceed 500.	1
	Addition of Numbers whose sum does not exceed 500 without carrying.	1
	Addition of Numbers whose sum does not exceed 500 with carrying.	2
	Word problems involving addition of numbers whose sum does not exceed 500.	1
	Subtraction of numbers that do not exceed 500 mentally.	1
8	Subtraction of numbers that do not exceed 500 without borrowing.	1
	Subtraction of numbers that do not exceed 500 with borrowing.	2
	Word problems involving subtraction of numbers whose difference does not exceed 500.	1
	Multiplication of whole numbers by 4 and multiples of 4 that do not exceed 40	2
	Multiplication of 2 digit numbers or 3 digit numbers by 4 without carrying.	2
9	Word problems involving multiplication of 2 digit numbers or 3digit numbers by 4 without carrying.	2
	Division of 2 digit numbers or 3 digit numbers by 4 without remainder.	2

	Word problems involving division of 2digit numbers or 3digit numbers by 4 without remainder.	2
	Multiplication of whole numbers by 5 and multiples of 5 that do not exceed 50	2
10	Multiplication of 2digit numbers or 3digit numbers by 5 without carrying.	2
	Word problems involving multiplication of 2 digit numbers or 3digit numbers by 5 without carrying.	1
	Division of 2 digit numbers or 3digit numbers by 5 without remainder.	2
	Word problems involving division of 2digit numbers or 3digit numbers by 5 without remainder.	1
	End unit assessment	2

<b>UNIT 3:WHOLE NUMBERS FROM 0 UP TO 1000</b>		<b>Periods: 16/56</b>
Key unit competence: To be able to count, read, write, arrange, compare, add and subtract, multiply and divide whole numbers from 0 up to 1000.		
<b>Weeks</b>	<b>Lesson title</b>	<b>Number of periods</b>
11	Counting groups of objects from 0 to 1000.	2
	Reading numbers from 0 to 1000 in figures.	2
	Writing numbers from 0 to 1000 in figures.	1
	Reading numbers from 0 to 1000 in words.	2
	Writing numbers from 0 to 1000 in words.	1
12	Grouping numbers that do not exceed 999	2
	Comparing numbers that do not exceed 1000.	2
	Arranging numbers that do not exceed 1000 in ascending order	2
	Arranging numbers that do not exceed 1000 in descending order	2
13	<b>EXAMS OF 1<sup>ST</sup> TERM</b>	

**2<sup>ND</sup> TERM**

<b>UNIT 3:WHOLE NUMBERS FROM 0 UP TO 1000</b>		<b>Periods: 40/56</b>
Key unit competence: To be able to count, read, write, arrange, compare, add and subtract, multiply and divide whole numbers from 0 up to 1000.		
<b>Weeks</b>	<b>Lesson title</b>	<b>Number of periods</b>
1	Mental Addition of numbers whose sum does not exceed 1000.	2
	Addition of Numbers whose sum does not exceed 1000 without carrying.	2
	Addition of Numbers whose sum does not exceed 1000 with carrying.	2
	Word problems involving addition of numbers whose sum does not exceed 1000.	2
2	Subtraction of numbers that do not exceed 1000 mentally.	2
	Subtraction of numbers that do not exceed 1000 without borrowing.	2
	Subtraction of numbers that do not exceed 1000 with borrowing.	2
	Word problems involving subtraction of numbers whose difference does not exceed 1000.	2
3	Word problems involving addition and subtraction of numbers whose difference does not exceed 1000.	2
	Multiplication of whole numbers by 6 and multiples of 6 that do not exceed 60	2
	Multiplication of 2digit numbers by 6 without carrying.	2
	Multiplication of 3digit numbers by 6 without carrying.	2
4	Word problems involving multiplication of 2digit numbers or 3digit numbers by 6 without carrying.	2
	Division of 2 digit numbers by 6 without remainder.	2
	Division of 3 digit numbers by 6 without remainder.	2
	Word problems involving division of 2 digit numbers or 3digit numbers by 6 without remainder.	2
5	Multiplication of whole numbers by 10 and 100 with the product not exceeding 999.	2
	Word problems involving multiplication and division of 2 digit numbers or 3digit numbers by 6 with carrying.	2

	Word problems involving multiplication and division of 2 digit numbers or 3digit numbers by 6 without carrying.	2
	End unit assessment	2
<b>UNIT4: FRACTIONS</b> $\frac{1}{2}, \frac{1}{4}$ and $\frac{1}{8}$		<b>Periods: 8</b>
Key unit competence To be able to read, write, draw and shade $\frac{1}{2}, \frac{1}{4}$ and $\frac{1}{8}$		
<b>Weeks</b>	<b>Lesson title</b>	<b>Number of periods</b>
6	Reading, writing, drawing and shading fractions $\frac{1}{2}$	1
	Reading, writing, drawing and shading fractions $\frac{1}{4}$	2
	Reading, writing, drawing and shading fraction $\frac{1}{8}$	2
	Comparing Fractions $\frac{1}{2}, \frac{1}{4}$ and $\frac{1}{8}$	1
	Combining fractions to make a whole	1
	End unit assessment	1

<b>UNIT 5: LENGTH MEASUREMENTS: metre, decimetre, and centimetre</b>		<b>Periods: 16</b>
Key unit competence To be able to measure, convert, compare, add, and subtract length measurements, multiply and divide length measurements by a whole number.		
<b>Weeks</b>	<b>Lesson title</b>	<b>Number of periods</b>
7	Measuring lenth for objects by the use of a meter ruler	2
	Dividing a meter into 10 equal parts	1
	Dividing a decimetre into 10 equal parts.	1
	Converting units of measurements.	2
	Comparing units of length. m, dm, and cm.	1
	Arranging units of length. m, dm, and cm.	1
8	Adding units of length. m, dm, and cm.	1

	Subtracting units of length. m, dm, and cm.	1
	Multiplying units of length m, dm, and cm by a whole number.	1
	Dividing units of length m, dm, and cm by a whole number.	2
	Word problems involving units of length m, dm, and cm.	1
	End unit assessment	2

### UNIT 6: CAPACITY MEASUREMENTS IN LITERS (l)

**Periods: 16**

Key unit competence:

To be able to measure, compare, add, and subtract capacity measurements, multiply and divide capacity measurements in liters (l) by a whole number.

Weeks	Lesson title	Number of periods
9	Measuring liquids using a litre.	1
	Comparing capacity of liquid containers and capacity measurements of liquids	2
	Addition of capacity measurements of liquids	2
	Subtraction of capacity measurements of liquids	2
	Solving word problems involving addition and subtraction	1
10	Multiplication of capacity measurements with a whole number	2
	Division of capacity measurements with a whole number	2
	Solving word problems involving multiplication and division of capacity measurements by a whole number.	2
	End unit assessment	2

### UNIT 7: MASS MEASUREMENTS IN KILOGRAMS (kg)

**Periods: 16**

Key unit competence:

To be able to weigh, compare, add, and subtract weights of various objects up to 10kg, multiply and divide mass measurements in kilograms (kg) by a whole number.

Weeks	Lesson title	Number of periods
11	Kilogram as a standard unit of mass	1
	Measuring mass using different types of balances.	2
	Comparing masses of objects	2
	Arranging masses of objects	1
	Addition of mass measurements and related word problems	2

12	Subtraction of units of mass and related word problems	2
	Multiplication of mass measurements by a whole number and related word problems	2
	Division of mass measurements by a whole number and related word problems	2
	End unit assessment	2
13	2 <sup>nd</sup> TERM EXAMS	

### 3<sup>RD</sup> TERM

UNIT 8: RWANDAN CURRENCY FROM 1FRW UP TO 1000 FRW		Periods: 16
Key unit competence To be able to count and exchange Rwandan currency up to 1000Frw.		
Weeks	Lesson title	Number of periods
1	Features of Rwandan currency from 1Frw to 1000Frw.	1
	Exchange of Rwandan currency from 1Frw to 1000Frw	1
	Comparing Rwandan currency that does not exceed 1000Frw.	1
	Addition and subtraction of Rwandan currency that does not exceed 1000Frw.	1
	Multiplication of Rwandan currency that does not exceed 1000Frw by a whole number.	1
	Division of Rwandan currency that does not exceed 1000Frw by a whole number.	1
	Word problems involving addition and subtraction of Rwandan currency that does not exceed 1000Frw.	1
	Word problems involving multiplication and division of Rwandan currency that does not exceed 1000Frw.	1
2	Sources of money and its uses	1
	Listing down items before buying them.	1
	Buying and selling goods.	1
	Good use and management of money	1
	The culture of saving.	1
	Preparing small income generating projects	2
	End unit assessment	1

<b>UNIT 9: TIME MEASUREMENTS</b>	<b>Periods: 24</b>
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Key unit competence:

To be able to read, write and draw the time shown with clock faces showing hour o'clock and half past an hour, and use a calendar to identify days of each month and months of the year.

Weeks	Lesson title	Number of periods
3	Reading and telling time shown by digital and analogue watches: The hour -o'clock.	2
	Writing time shown by digital and analogue watches: The hour - o'clock	1
	Reading and telling time shown by digital and analogue watches: 30 minutes or half past an hour.	2
	Writing time shown by digital and analogue watches: 30 minutes or half past an hour.	1
	The calendar: Days of the week.	2
4	The calendar: Months of the year.	2
	Weeks of the month and of the year.	2
	School activities	1
	School activities timetable	3
5	Preparing a daily activity plan.	3
	Preparing a weekly activity plan.	3
	End unit assessment	2

<b>UNIT 10: TYPES OF LINES AND ANGLES.</b>	<b>Periods: 8</b>
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Key unit competence:

To be able to identify and draw different types of lines, acute, right and obtuse angles.

Weeks	Lesson title	Number of periods
6	<b>Preliminary activities</b>	<b>1</b>
	Types of lines: Straight lines, closed and open lines, curved lines and zigzag (broken) lines	2
	Types of angles: Right angle, Acute angles and obtuse angle	2
	Comparing angles	2



	End unit assessment	1
<b>UNIT 11: GRIDS</b>		<b>Periods: 8</b>
Key unit competence To be able to Construct a grid and locate points on a grid.		
<b>Weeks</b>	<b>Lesson title</b>	<b>Number of periods</b>
7	Preliminary activity	1
	Characteristics of a grid and construction of a grid	2
	Putting points on a grid.	2
	Locating the position of points on a grid.	2
	End unit assessment	1
<b>UNIT 12: SQUARE, RECTANGLE AND TRIANGLE</b>		<b>Periods: 16</b>
Key unit competence: To be able to identify a square, a rectangle and a triangle from other geometrical shapes, accurately draw a square, a rectangle and a triangle and calculate their perimeters.		
<b>Weeks</b>	<b>Lesson title</b>	<b>Number of periods</b>
8	Properties of a square	2
	Drawing a square	1
	Measuring and calculating the perimeter of a square	2
	Properties of a rectangle	2
	Drawing a rectangle	1
9	Measuring and calculating the perimeter of a rectangle	2
	Properties of a triangle	2
	Drawing a triangle	2
	End unit assessment	2
<b>UNIT 13: MISSING NUMBERS IN MATHEMATICS EXPRESSIONS INVOLVING ADDITION, SUBTRACTION, MULTIPLICATION AND DIVISION</b>		<b>Periods: 16</b>
Key unit competence To be able to find the missing number in addition, subtraction, multiplication and division of numbers		
<b>Weeks</b>	<b>Lesson title</b>	<b>Number of</b>

		periods
10	Finding the missing number in a number sentence by quick addition	2
	Finding the missing number in a number sentence by quick subtraction	2
	Finding the missing number in a number sentence by quick multiplication.	2
	Finding the missing number in a number sentence by quick division.	2
11	Finding the common difference in a number pattern	3
	Identifying the missing number in a number pattern by Subtraction	3
	End unit assessment	2
<b>UNIT 14: PICTOGRAPHS /SIMPLE GRAPHS</b>		<b>Periods: 8</b>
Key unit competence: To be able to describe and explain the information provided by a pictograph/simple graph.		
Weeks	Lesson title	Number of periods
12	Making groups of objects and showing them on a pictograph	1
	Describing and Interpreting pictographs	2
	Describing and Interpreting pictographs used to show number of objects.	1
	Drawing a pictograph using the information given.	2
	Drawing a pictograph using the information given.	1
	End unit assessment	1
13	<b>3<sup>RD</sup> TERM EXAMS</b>	