**SCHEME OF MATHEMATICS WORK OF P1 2022-2023**

**1ST TERM**

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| **WEKS&DATES** | **UNIT TITLE** | **LESSON TITLE** | **LEARNING** **OBJECTIVES** | **METHODS& TEACHING TECHNICS** | **RESSOURCES&**  **REFERANCES** | **OBSERVATION** |
| **WEEK 1**  **26-30/09/2022**  **WEEK 2**  **03-07/10/2022**  **WEEK 3**  **10-14/10/2022**  **WEEK 4**  **17-21/10/2022**  **WEEK 5**  **24-28/10/2022**  **WEEK 6**  **31/10-04/11/2022**  **WEEK 7**  **07-11/11/2022**  **WEEK 8**  **14-18/11/2022** | **UNIT13:LOCATION**  **OF OBJECTS AND TYPES OF LINES**  **UNIT 1:**  **NUMBERS FROM 1 TO 5**  **UNIT 13**  **UNIT 1**  **UNIT 13** | **Lesson 1**  Help learners to be familial with a pen  **Lesson 2**  Draw horizontal lines  **Lesson 3**  -Draw oblique lines and curved lines(closed and opened)  **Lesson 4**  -draw vertical lines ,horizontal lines ,oblique lines, closed curved lines and opened curved lines  Draw broken lines  **Lesson 1:**  -Count ,read and write number 1  **Lesson 2 :**  -Count ,read and write numbers from 1 to 2  **Lesson 3 :**  Count ,read and write numbers from 1 to 3  **Lesson 5** :  -Position and direction :**behind, in front of ,beside, on ,under ,above ,inside ,outside ,left ,right ,up, down**  **Lesson 4 :**  -Count ,read and write numbers from 1 to 4  **Lesson 5:**  Count ,read and write numbers from 1 to 5  **Lesson 6 :**  -Compare numbers from 1 to 5  -Descending and ascending order  **Lesson 7**  Adding numbers from 1 to 5  -Problems involving addition  **UNIT ASSESSMENT**  **Lesson 8**  -Taking away numbers from 1 to 5  -Problems involving taking away (subtraction )  **Lesson 6:**  -Demonstration of objects on ,inside and outside the closed line  **UNITY EVALUATION** | **Knowledge and understanding**  -Count, read and write numbers correctly  -Use the signs of addition ,subtraction and equality  -Calculate mentally  -Be able to locate objects ,people and themselves  -Differentiate and draw lines  **SKILLS**  **-**Compare numbers  **-**Carry out addition and subtraction of numbers  -Apply the knowledge of addition and subtraction in solving mathematical problems  -Be able to compare different objects depends on their size and quantity  -Drawing lines using a ruler  **ATTITUDES AND VALUES**  **-**Appreciate the importance of accuracy in reading and writing numbers  -Calculate quickly and accurately  -Be in order  -Know how to collaborate with others  -Critical thinking | -Question  and answer  Observation  Group work  -Counting objects | MATHEMATICS FOR RWANDA PRIMARY SCHOOLS ,TEACHER ‘S GUIDE.REB 2020  P 224-234  P234-235  P20-26  P 224-234  P20-26  P28-29  P35-36  36-39  P236-239 |  |
| **WEEK 9**  **21-25/11/2022**  **WEEK 10**  **28/11-02/12/2022** | **UNIT 2 : NUMBERS FROM 1 TO 9** | **Lesson 1**  -Count ,read and write numbers from 1 to 6  **Lesson 2**  -Count ,read and write numbers from 1 to 7  -Compare and arrange numbers in ascending and descending order  **Lesson 3:**  Count ,read, write numbers from 1 to 8  **Lesson 4**  -Count ,read ,write numbers from 1 to 9  -Compare and arrange in ascending and descending order | **KNOWLEDGE AND UNDERSTANDING**  **-**Count ,read and write numbers from 1 to 9 correctly  -Calculate quickly and accurately  -Use numbers from 1 to 9 in his/her real life  **SKILLS**  **-**Count ,read ,write and arrange numbers from 1 to 9  -Adding and taking away numbers from 1 to 9  -Comparing numbers using <,>,=  **ATTITUDE AND VALUES**  -To be in order in their daily life  -Collaboration  -Critical thinking | Question and answer  Observation  Group work | P48-52  P52-60 |  |
| **WEEK 11**  **05-09/12/2022** | **REVISION** |  |  |  |  |  |
| **WEEK 12**  **12-16/12/2022** | **EXAMS** |  |  |  |  |  |
| **WEEK 13**  **19-23/12/2023** | **EXAMS +CORRECTIONS** |  |  |  |  |  |

**SCHEME OF WORK OF MATHEMATICS P1**

**2nd TERM**

Table 1

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| **DATES &WEEKS** | **UNIT TITLE** | **IESSON TITLE+EVALUATION** | **LEARNING OBJECTIVES +KEY UNIT COMPETENCES** | **METHODS &TEACHING TECHNICS** | **RESSOURCES &**  **REFERENCES** | **OBSERVATIONS** |
| **WEEK1**  **09-13/01/2023** | **UNIT2:**  **NUMBERS FROM 1 TO 9** | **Lesson 5**  **-Adding numbers from 1 to 9**  **E.g.:4+3=.**  **.+5=9**  **1+6=.**  -Problems involving addition  **Lesson 6**  -Taking away numbers from 1 to 9  E.g. :8-2=  7-.=4  9-3-2=  -Problems involving subtraction  **UNIT ASSESSMENT** | **KNOWLEDGE AND UNDERSTANDING**  -Use the signs of addition ,subs traction and equality  -Calculate mentally  -Calculate quickly and accurately  -Have a habit of working in groups  -Use numbers from 1 to 9 in his or her real life  **SKILLS**  **-**Carry out addition and subtraction  -Apply the knowledge of addition and subtraction in solving mathematical problems  **ATTITUDES AND VALUES**  **-**Adding and taking away quickly and accurately numbers from 1 to 9  -Be in order  -Know how to collaborate with others  -Have critical thinking | Question and answer  Observation  Group work | MATHEMATICS FOR RWANDA PRIMARY SCHOOLS ,TEACHER ‘S GUIDE.REB 2020  **P60-64**  **P64-71** |  |
| **WEEK 2**  **16-20/01/2023**    **WEEK 3**  **23-27/01/2023** | **UNITY 3**  **NUMBERS FROM 0 TO 10**  **UNIT 10**  **MEASUREMENT OF LENGTH** | **Lesson 1**  -Concept of 0 and 10  -Count ,read and write numbers from 0 to 10  **Lesson 2**  -Compare and arrange numbers from from to 10  **Lesson 3**  Adding and subtraction of numbers from 0 to 10  **Lesson 4**  -Problems involving addition and subtraction  **UNIT ASSESSMENT**  **Lesson 1**  -Concept of meter  -Measure the length of 10 meters  -Read and write the measurements of length  **Lesson** 2  -Compare and arrange measurements of length  **Lesson 3**  -Addition and subtraction of measurements of length  -Problems involving measurements of length | **KNOWLEDGE AND UNDERSTANDING**  -Discover ,listen and understand concept of 0 and 10  -Add and take away quickly without exceeding 10  -Understanding why we use measurement of length  -Use meter ruler to measure different distances  **SKILLS**  -Count ,read, write and arrange numbers from 0 to 10  -Make different sets of objects without exceeding 10  -Count and make a list of different objects which are in the classroom and at home without exceeding 10  -Compare sets of objects without exceeding 10 by showing few and many  -Compare 2 numbers from 0 to10 using <,>,=  -Addition and subtraction of numbers from 0 to 10  -Compare measurements of length using <,>,=  -Read and write the length of different objects  **ATTITUDES AND VALUES**  -Count exactly  -Read and write numbers from 0 to 10correctly  -Show the importance of learning counting ,reading and writing numbers in his/ her daily life  -Have a habit to collaborate with others and respect the time  -Discover the concept of the length and meter  -Addition and subtraction of measurements of length without exceeding 10 meters |  | **P74-86**  **86-95** |  |
| **WEEK 4**  **30/01-03/2/2023**  **WEEK 5**  **06-10/02/2023** | **UNIT 4**  **NUMBERS FROM 0 TO 20**  **UNIT 11**  **MEASURING TIME AND DAYS OF WEEK** | **Lesson 1**  -Count ,read and write numbers from 0 to 20  **Lesson 2**  -Write numbers in expanded form  -Place values  **Lesson 3**  Compare and arrange numbers from 0 to 20 using <,>,=  **Lesson 4**  -Addition and subtraction o0f numbers from 0 to 20  **Lesson 5**  -Problems involving addition and subtraction of numbers from 0 to 20  **Lesson 6**  **UNIT ASSESSMENT**    **Lesson 1**  Party of a day (morning ,noon, evening)  -Characteristics of a day  **Lesson 2**  -Days of weeks | **KNOWLEDGE AND UNDERSTANDING**  **-**Discover the concept of numbers from 0 to 10  -Identify the place values of written numbers  -Adding and subtracting quickly numbers from 0 to 20  -know and differentiate parts of a day  -Associate activities and parts of a day  **SKILLS**  -Count ,read and write numbers from 0 to 20  -Compare and arrange numbers from 0 to 20  -Addition and subtraction of numbers from 0 to 20  -Write numbers in expanded form  -Identify the place value of numbers  -Arrange the parts of a day and the days of week  -Identify the characteristics of a day  **ATTITUDES ET VALUES**  -Count ,read and write numbers from 0 to 20  -Use numbers from 0 to 20 in daily life situation  -Calculate quickly and accurately  -Have a habit of working in groups  -Respect time |  | **P96-102**  **P103-107**  **P107-115**  **P 206-212** |  |
| **WEEK 6**  **13-17/02/2023** | **UNIT 5**  **MULTIPLICATION AND DIVISION BY 2** | **Lesson 1**  Multiplication by 2  **Lesson 2**  Division by 2  **Lesson 3**  -Problems involving multiplication by 2  -Problems involving division by 2 | **KNOWLEDGE AND UNDERST5ANDING**  -Understand the concept of multiplication by 2 using repeated addition of 2  -Understanding the concept of division without remainder  **SKILLS**  -Multiplying by 2 and the product not exceeding 20  -Divide by 2 without remainder  **ATTITUDES AND VALUES**  -Identify the importance of multiplication and division in daily life  -Have a habit to collaborate and share with others |  | **P 118-121**  **P121-125** |  |
| **WEEK 7**  **20-24/02/2023**  **WEEK 8**  **27/02-03/03/2023**  **WEEK 9**  **6-10/03/2023** | **UNIT 6**  **NUMBERS FROM 0 TO 50** | **Lesson 1**  -Counting ,reading and writing numbers from 1 to 30  **Lesson 2**  -Counting ,reading and writing numbers from 0 to 40  **Lesson 3**  -Counting ,reading and writing numbers from 0 to 50  **Lesson 4**  -Decomposition of numbers from 10 to 50 into ones and tens  **Lesson 5**  -Ascending and descending order of numbers from 0 to 50  **Lesson 6**  -Addition of numbers whose the sum does not exceed 50  **Lesson 7**  –Word problems on addition of numbers whose sum does not exceed 50  **Lesson 8**  -Subtraction of numbers less than 50  **Lesson 9**  -Word problems on subtraction of numbers less than 50  **UNIT ASSESSMENT** | **KNOWLEDGE AND UNDERSTANDING**  -Discover the concept of numbers from 0 to 50  -Write numbers in expanded form  -Addition and subtraction of numbers from 0 to 50  **SKILLS**  -Count ,read ,write ,compare and arrange numbers from 0 to 50  -Count different objects which are in classroom at home not exceeding 50  -Differentiate few objects to many objects  **ATTITUDES AND VALUES**  -Have a habit of arranging activities in daily life  -Identify the importance of addition and subtraction in daily life |  | **P 128-131**  **P131-138**  **P138-145** |  |
| **WEEK 10**  **13-17/3/2023** | **REVISION** |  |  |  |  |  |
| **WEEK 11**  **20-24/3/2023** | **EXAMS** |  |  |  |  |  |
| **WEEK 12**  **27-31/3/2023** | **CORRECTION** |  |  |  |  |  |

**SCHEME OF WORK OF MATHEMATICS P1**

**3RD TERM**

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| **DATES &WEKS** | **UNIT** | **UNIT TITLE** | **LEARNING OBJECTIVES +KEYS UNIT COMPETENCE** | **METHODS &TECHING TECHNICS** | **RESSOURCES &REFERENCES** | **OBSERVATION** |
| **WEEK 1**  **17-21/4/2023**  **WEEK 2**  **24-28/4/2023**  **WEEK 3**  **01-05/05/2023**  **WEEK4**  **08-12/05/2023** | **UNIT 7**  **NUMBERS FROM 0 TO 100** | **Lesson 1**  -Counting 1 to 60 objects  -Reading and writing the numbers from 0 to 60  **Lesson 2**  -Counting ,reading and writing numbers from 0 to 70  **Lesson 3**  -Counting ,reading and writing numbers from 0 to 80  **Lesson 4**  -Counting ,reading and writing numbers from 80 to 90  **Lesson 5**  -counting ,reading and writing numbers from 80 to 90  **Lesson 6**  -Decomposition of 2 digit numbers from 10 to 99 into ones and tens  **Lesson 7**  -Comparing numbers from 1 to 99  **Lesson 8**  Ascending and descending order of numbers from 1 to 99  **Lesson 9**  Addition of numbers whose sum does not exceed 99  **Lesson 10**  Word problems on addition of numbers whose sum does not exceed 99  **Lesson 11**  -Subtractions of numbers less than 99  **Lesson 12**  -Word problems on subtraction of numbers less than 99  **UNIT ASSESSMENT** | **KNOWLEDGE AND UNDERSTANDING**  -Count ,read and write numbers from 0 to 100  -Identify the place value of each digit of a number    **SKILLS**  -Make different sets whose objects do not exceed 100  -Count objects which are in classroom and outside the classroom  -Read and write numbers less than 100  -Compare numbers between 1 and 99 using <,>,=  -Arrange numbers less than 100 in ascending and descending order  -Decompose 2 digits number between 10 and 99 into ones and tens  -Add 2 numbers whose sum does not exceed 99  -Subs tract 2 numbers less than 99  **ATTITUDES AND VALUES**  -Have a habit to arrange activities in daily life  -Identify the importance of addition and subs traction    1 |  | MATHEMATICS FOR RWANDA PRIMARY SCHOOLS ,TEACHER ‘S GUIDE.REB 2020 |  |
| **WEEK 5**  **15-19/05/2023** | **UNIT 8**  **FRACTIONS : and** | **Lesson** 1  -Introduction activity  -Concept and different parts of fraction  **Lesson 2**  -Understand a half and a quarter of an object  -Read and write a half and a quarter  **Lesson 3**  -Unit assessment | **KNOWLEDGE AND UNDERSTANDING**  -Discover the concept of fraction  -Identify and  -Read and write a half and a quarter  **SKILLS**  -Divide a whole into 2 equal parts  -Divide a whole into 4 equal parts  -show ,write, and tell different parts of a fraction  **ATTITUDES AND VALUES**  -Have a habit to share with others |  |  |  |
| **WEEK 6**  **22-26/05/2023** | **UNIT 9**  **NUMBER PATTERNS** | **Lesson 1**  -Concept of a number pattern and common difference in a number pattern involving addition  Lesson 2  -Concept of a number pattern and common difference in a number pattern involving subtraction  **Lesson 3**  **UNIT ASSESSSMENT** | **KNOWLEDGE AND UNDERSTANDING**  -Make number patterns with a constant difference and find a missing number in a number patterns that involve addition and subs tract  **SKILLS**  -To find out a difference between 2 consecutive numbers and find a missing number in a number patterns that involve addition or subs traction  **ATTITUDES AND VALUES**  -To be in order |  |  |  |
| **WEEK7**  **29/05-02/06/2023**  **WEEK 8**  **05- 09/06/2023** | **UNIT 12**  **RWANDAN CURRENCY FROM 1FRW UP TO 100FRW** | **Lesson 1**  Rwandan currency from 1frw up to 100rfw and their specific characteristics  **Lesson 2**  Exchange of Rwandan currency from 1frw up to 100 frw  **Lesson 3**  Addition and subtraction of Rwandan currency from 1frw to 100 frw  **Lesson 4**  Problems involving addition and subtraction of Rwandan currency from 1 FRW up to 100 FRW  **UNIT ASSESSMENT** | **KNOWLEDGE AND UNDERSTANDING**  -Distinguish the Rwandan currency from 11frw up to 100frw  -Understand the value of Rwandan currency from 1frw to 100frw  **SKILLS**  -Distinguish the Rwandan currency from 1 frw to 1000 frw  -To be able to exchange Rwandan currency from 1 frw to 100frw  -Correctly add and subtract Rwandan currency from 1 frw to 100 frw  -Solve problems related to the Rwandan currency value and give examples based on how they said currency applied in buying and selling goods or services not exceeding 100frw  **ATTITUDES AND VALUES**  -To be honest when using money  -To be able to manage money |  |  |  |
| **WEEK 9**  **12-16/06/2023**  **WEEK 10**  **19-23/06/2023** | **UNIT 14**  **Right angle, Square and rectangle** | **Lesson 1**  -Introductory activity  -Right angle and its characteristics  **Lesson 2**  -Sketching the right angle  **Lesson** **3**  -A square and its characteristics  **Lesson 4**  -Sketching a square  **Lesson 5**  -A rectangle and its characteristics  **Lesson 6**  -Sketching a rectangle  **Lesson 7**  **UNIT ASSESSMENT** | **KNOWLEDGE AND UNDERSTANDING**  -Identify characteristics of a right angle  -Identify characteristics of a square and rectangle  **SKILLS**  -Identify the right angle on different objects and areas  -Draw a right angle ,a square and rectangle  -Differentiate a square and a rectangle from other figures  -Give examples of objects whose square and rectangle shape in classroom and outside the classroom  **ATTITUDES AND VALUES**  -Have a habit to observe and to think before making decision |  |  |  |
| **WEEK 11**  **26-30/06/2023** | **REVISION** |  |  |  |  |  |
| **WEEK 12**  **03/07-07/07/2023** | **EXAMS** |  |  |  |  |  |
| **WEEK 13**  **10-14/07/2023** | **CORRECTION** |  |  |  |  |  |
| **WEEK 14**  **17-19/07/2023** | **PNLE** |  |  |  |  |  |