**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  | -Questionand answerObservationGroup work-Counting objects | MATHEMATICS FOR RWANDA PRIMARY SCHOOLS ,TEACHER ‘S GUIDE.REB 2020P 224-234P234-235P20-26P 224-234P20-26P28-29P35-3636-39P236-239 |  |
| **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 answerObservationGroup work | P48-52P52-60 |  |
| **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 answerObservationGroup 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 :**$\frac{1}{2}$ **and** $\frac{1}{4}$ | **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 $\frac{1}{2}$and $\frac{1}{4}$-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 additionLesson 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** |  |  |  |  |  |