P.3**MATHEMATICS SCHEME OF WORK FOR TERM 1 2018**

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| W  K | P  D | TOP  IC | S/TOPIC | CONTENT | SUBJECT  COMPETENCES A learner; | LANGUAGE  COMPETENCES  A learner; | METHOD | LIFE  SKILLS | TEACHING  ACTIVITIES | TEACHING  AIDS | REF | REM |
|  | 1 | SET CONCEPTS | Describing sets | Definition of a set  Naming sets  Drawing sets | -defines a set.  -names sets  -draws sets | A learner;  Pronounces reads writes the new words correctly. | Guided discovery  discussion | Critical thinking  Logicalreasoning | Defining a set  Naming sets  Drawing sets | A chart with drawn sets | Pricurr for Uganda |  |
| 1 | 2 |  | Types of sets | Definition for Equal/identical and unequal sets.  Examples of equal sets  Examples of unequal sets | -defines equal sets.  -identifies equal and unequal sets. | Pronounces reads writes the new words correctly | Guided discovery  demonstration | Fluency  Critical thinking  Love joy | Defining equal sets  Identifying equal and un equal sets | Illustration on the chart |  |  |
|  | 3 |  |  | -Definition of Equivalent and non-equivalent sets.  -Examples of equivalent set.  Identifying equivalent and non-equivalent sets. | -defines equivalent sets.  -identifies equivalent and non-equivalent sets. | Pronounces , reads, writes the new words correctly. | Guided discovery  Demonstration | logical reasoning  love care | Defining equivalent sets.  Identifying equivalent and non- equivalent set | An illustration on a chart |  |  |
| 1 | 4 |  |  | Definition of an empty set.  Identifying empty and not empty sets  Drawing set symbols for empty set | -defines empty set  -identifies empty and not empty sets  -draws set symbols for empty sets | Pronounces reads writes the new words correctly | Question and answer  Guided discovery | Problem solving creative thinking  Lov care | Defining empty sets  Naming empty and not empty sets | Real objects like tins |  |  |
|  | 5 |  |  | Definition for intersection sets/joint sets  Write set symbol for joint set  Find intersection of sets. | Defines intersection set  Writes set symbols for intersection set  Finds the intersection of sets | Pronounces reads writes the new words and symbols correctly | Demonstration  Guided discovery | Problem solving  Creative thinking  Love  Joy | Defining intersection sets  Writing set symbols for joint sets | Real objects like pens ,books |  |  |
| 2 | 1 |  |  | -Define disjoint sets.  -Finding difference between joint and dis joint sets  -Identify examples of disjoin sets | -Defines disjoint sets  -finds difference between joint and disjoint sets | Pronounces ,reads, writes the new words correctly | Discussion  Guided discovery | Critical thinking  Logical reasoning  Love care | -Defining disjoint sets.  Identifying examples of disjoint sets. | Real objects |  |  |
| 2 | 2 |  |  | Define union set.  Writing a set symbol for union set.  Examples of union set  A={a, b, c} and B={u, a, d}  AUB={a, b, c, u, d} | -Defines union set.  -writes set symbol for union set.  -Finds the union of sets | Pronounces ,reads writes the new words correctly | Guided discovery  Discussion | Problem solving  Logical reasoning  joy | Defining union set.  Writing a set symbol for union set.  Finding the union of sets. | Real objects |  |  |
|  | 3 |  | venn diagram | -Name regions on a venn diagram.  -shading regions on avenn diagram  -describing shaded regions on a venn diagram. | -Names regions on avenn diagram.  -describes shaded regions. | Pronounces reads writes the new words correctly. | Guided discovery  Discussion | Problem solving  Love care | -Naming regions on a venn diagram.  Describing shaded regions on the venn diagram. | Illustrations on chart |  |  |
|  | 4 |  |  | Representing information on avenn diagram.  Finding common members and difference in the two sets. | Represents information on a venn diagram.  Finds common members and differences in two sets | Pronounces reads writes the new words correctly. | Question and answer.  Guided discovery | Critical thinking  Logical reasoning | Representing information on a venndiagram.  Finding common members and difference in two sets | Real objects  An illustration on a chart |  |  |
|  | 5 |  |  | **TOPICAL TEST** |  |  |  |  |  |  |  |  |
| 3 | 1 | Numeration system and place value | place value | Finding place value of 3digit numbers | Finds place value of 3 digit numbers | Pronounces, reads ,writes the new words correctly | Guided discovery  Discussion | Problem solving  Love  care | Finding place values of 3digit numbers | A chart |  |  |
|  | 2 |  |  | Finding place value of digits in 4digit numbers | Finds place value of 4digit numbers | Pronounces, reads ,writes the new words correctly | Question and answer .  Guided discovery | Problem solving  Logical reasoning | Finding place value of 4digit numbers | An illustration on the chart |  |  |
|  | 3 |  |  | Finding the values of digits in 3 and 4 digit numbers | Finds values of digits | Pronounces, reads, writes the new words correctly | Question and answer .  Guided discovery | Problem solving  Logical reasoning | Finding the values of digits in 3 and 4digit numbers | An illustration on the chart |  |  |
| 3 | 4 |  |  | Expanding numbers using values | Expands numbers using values | Pronounces, reads , writes ,the new words correctly | Question and answer .  Guided discovery | Problem solving  Logical reasoning | Expanding the numbers using values | An illustration on the chart |  |  |
|  | 5 |  |  | Expanding numbers using place values | Expands numbers using place values. | Pronounces, reads , writes ,the new words correctly | Question and answer .  Guided discovery | Problem solving  Logical reasoning | Expanding the numbers using place values | An illustration on the chart |  |  |
| 4 | 1 |  |  | Finding the expanded number  Example  Write 200+30+7 in short  200+30+7=237 | Finds the expanded number  Adds digits correctly according to place values | Pronounces, reads , writes ,the new words correctly | Question and answer .  Guided discovery | Problem solving  Logical reasoning | Finding the expanded number | An illustration on the chart |  |  |
|  | 2 |  |  | Writing figures in words | Writes figures in words | Pronounces, reads , writes ,the new words correctly | Question and answer .  Guided discovery | Problem solving  Logical reasoning | Writing figures in words | An illustration on the chart |  |  |
|  | 3 |  |  | Writing in figures  Example  Write three hundred four in words.  300+4=304 | Writes in figures | Pronounces, reads , writes ,the new words correctly | Question and answer.  Guided discovery | Problem solving  Logical reasoning | Writing in figures | An illustration on the chart |  |  |
| 4 | 4 |  | Roman numerals | -Standard symbols for roman numerals  -Changing from Hindu-Arabic numerals to Roman numerals. | -Reads and writes standard symbols for -Roman numerals.  Expands numerals correctly | Pronounces , reads ,writes the new words correctly | Question and answer.  Guided discovery | Problem solving  Logical reasoning | Reading standard symbols  Changing from Hindu-Arabic to Roman numerals | Standard Roman symbols written on the chart |  |  |
|  | 5 |  | ROMAN NUMERALS | Changing from Roman numerals to Hindu-Arabic numerals | -Expands numerals correctly.  -changes from Roman numerals to Hindu-Arabic numerals | Pronounces , reads ,writes the new words correctly | Question and answer.  Guided discovery | Problem solving  Logical reasoning | Expanding numerals  Changing from Roman numerals to Hindu-Arabic numerals | A chart showing standard symbols for Roman numerals |  |  |
| 5 | 1 |  |  | **TOPICAL TEST** |  |  |  |  |  |  |  |  |
|  | 2 | NUMBER PATTERN AND SEQUENCES | COUNTING | Counting and finding the missing numbers | Counts and finds the missing number  Adds or subtracts and finds the missing number | Pronounces, Reads, writes number symbols correctly | Guided discovery  discussion | Problem solving  Logical thinking  Love  care | Counting and finding missing numbers | A chart showing number symbols |  |  |
|  | 3 |  |  | Counting in 2’s from 0-100 | Counts and finds the missing number  Adds or subtracts 2 to find the missing number | Pronounces, Reads, writes number symbols correctly | Guided discovery  discussion | Problem solving  Logical thinking  Love  care | Counting and finding missing numbers | A chart showing number symbols |  |  |
|  | 4 |  |  | Counting in 5’s  From 0-100 | Counts and finds the missing number  Adds 5 to find the missing number | Pronounces, Reads, writes number symbols correctly | Guided discovery  discussion | Problem solving  Logical thinking  Love  care | Counting and finding missing numbers | A chart showing number symbols |  |  |
|  | 5 |  |  | Counting in 10’s  From 0-300 | Counts and finds the missing number  Adds 10 to find the missing number | Reads, writes number symbols correctly | Guided discovery  discussion | Problem solving  Logical thinking  Love  care | Counting and finding missing numbers | A chart showing number symbols |  |  |
| 6 | 1 |  |  | Counting in 100  From 0-2000 | Counts and finds the missing number  Adds100 to find the missing number | Reads, writes number symbols correctly | Guided discovery  discussion | Problem solving  Logical thinking  Love  care | Counting and finding missing numbers | A chart showing number symbols |  |  |
|  | 2 |  | Types of numbers | Even numbers  Definition for even numbers | Defines even numbers.  Lists some groups of even numbers | Pronounces, reads, writes the new words correctly | Guided discovery  Think pair share | Critical thinking  Love  Care  joy | Defining even numbers.  Listing some groups of even numbers | A chart  With even numbers. |  |  |
|  | 3 |  |  | Odd numbers  Definition of odd numbers  Listing some groups odd numbers. | Defines odd numbers.  Lists some groups of odd numbers. | Pronounces, read, writes the new words correctly | Discussion  Guided discovery | Problem solving  Logical reasoning | Defining odd numbers.  Listing some groups of odd numbers | A chart with odd numbers |  |  |
|  | 4 |  |  | **TOPICAL TEST** |  |  |  |  |  |  |  |  |
|  | 5 | OPERATION ON WHOLE NUMBERS | ADDITION OF WHOLE NUMBERS | -Commutative property of addition  -Addition of 3 and 4 digit numbers without regrouping. | Finds the missing numbers.  Adds digits according to their place values | Pronounces ,reads ,  Writes the new words correctly | Guided discovery  Think pair share. | Problem solving  Logical reasoning | Finding the missing numbers.  Adding correctly | Photo copied work  Flash cards |  |  |
| 7 | 1 |  |  | Application of Addition of 3 and 4 digit numbers without regrouping | Adds 3 and 4 digit numbers correctly | Pronounces ,reads ,  Writes the new words correctly | Guided discovery  Think pair share. | Problem solving  Logical reasoning | Adding 3 and 4 digit numbers correctly | counters |  |  |
|  | 2 |  |  | Addition of 3 and 4 digit numbers with regrouping | Identifies place values correctly.  Adds and regroups correctly | Pronounces reads writes the new words correctly | Questions and answer.  Guided discovery. | Critical thinking  Logical reasoning  Love care | Identifying place value of each digit in the given figures.  Adding and regrouping correctly | counters |  |  |
|  | 3 |  |  | Application of addition of 3 and 4 digit numbers with regrouping | Interprets application questions  Arrange the digits according to their place values | Pronounces , reads sentences and finds correct interpretation | Guided discovery  Think pair share | Problem solving  Logical thinking | Interpreting application questions  Adding 3 and 4 digit numbers correctly. | counters |  |  |
|  | 4 |  |  | Sum tables  Example  What number can you add to get the one in the middle | Finds the missing numbers from the sum table. | Pronounces, reads ,writes new words correctly | Think pair share  Guided discovery | Problem solving  logi | Finding the missing numbers from the sum tables | counters |  |  |
|  | 5 |  |  | Addition of numbers using a numberline | Shows movement and steps  On a number line.  Adds using a number line | Pronounces, reads ,writes the new words correctly | Guided discovery  Question and answer | Problem solving  Logical thinking  Love care | Showing movements and steps on a number line | counters |  |  |
| 8 | 1 |  | subtraction | Subtraction of 3 and 4 digit numbers without regrouping | Identifies place value of each digit correctly.  Subtracts figures correctly | Pronounces, reads ,writes the new words correctly | Guided discovery  Question and answer | Problem solving  Logical thinking  Love care | Subtracting 3 and 4 digit numbers without regrouping. | counters |  |  |
|  | 2 |  |  | Application of subtraction of 3 and 4 digit numbers without regrouping | Interprets application questions properly.  Arranges the digits in their to place values correctly  Subtracts correctly | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Interpreting application questions properly.  Arranging digits in their correct place values.  Subtracting correctly | counters |  |  |
|  | 3 |  |  | Subtraction of 3 and 4 digit numbers with regrouping | Identifies place value of each digit.  Subtracts and regroups correctly | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Subtracting 3 and 4 digit numbers  Regrouping numbers correctly. | counters |  |  |
|  | 4 |  |  | Application on subtraction of 3 and 4 digit numbers with regrouping | Identifies place values of each digit.  Interprets word problem and subtracts correctly. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Identifying place values of 3 and 4 digits.  Interpreting word problems and subtracting correctly. | counters |  |  |
|  | 5 |  |  | Subtraction of numbers using tables | Finds the missing numbers in the table by subtraction | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Finding missing numbers in the table by subtracting. | counters |  |  |
| 9 | 1 |  |  | Subtraction of numbers using a number line | Identifies the starting point on a number line.  Shows correct movement on a number line | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Identifying the starting point on a number line.  Subtracting using a number line. | counters |  |  |
|  | 2 |  | MULTIPLICATION OF WHOLE NUMBERS | Commutative property of multiplication.  Multiplication of numbers using repeated addition | Identifies the missing numbers  Expands the multiplication statements correctly | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Identifying the missing numbers.  Expanding the multiplication statements | counters |  |  |
|  | 3 |  |  | Multiplication of 3 and 4 digit numbers by 2 and 3 without regrouping | Multiplies 3 and 4 digit numbers correctly. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Multiplying 3 and 4 digit numbers by 2 and 3 | counters |  | | |
|  | 4 |  |  | Multiplication of 2 and 3 digit numbers by 4and5 with regrouping. | Multiplies 2 and 3 digit numbers by 4 and 5.  Regroups correctly. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Multiplying 2 and3 digit numbers by 4 and 5.  Regrouping correctly. | counters |  | | |
|  | 5 |  |  | Application of multiplication of 2and 3 digit numbers by 4 and 5 with regrouping | Interprets word problems.  Multiplies 2 and 3 digit numbers by 4 and 5  Regroups correctly | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Interpreting word problems.  Multiplying 2 and 3 digit numbers by 4 and 5. | counters |  | | |
| 10 | 1 |  |  | Multiplication of 2 and 3 digit numbers by 6 and 7 with regrouping. | Multiplies 2 and 3 digit numbers by 6 and 7.  Regroups correctly. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Multiplying 2 and 3 digit numbers by 6 and 7.  Regrouping correctly. | counters |  | | |
|  | 2 |  |  | Application of multiplication of 2 and 3 digit numbers by 6 and 7 with regrouping. | Interprets word problems  Multiplies 2 and 3digit numbers by 6 and 7.  Regroups correctly. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Interpreting word problem properly.  Multiplying 2 and 3 digit numbers by 6 and 7.  Regrouping correctly. | counters |  | | |
|  | 3 |  |  | Multiplication of 2 and 3 digit numbers by 8 and 9 with regrouping | Multiplies 2 and 3 digit numbers by 8 and 9.  Regroups correctly | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Multiplying 2 and 3 digit numbers by 8 and 9.  Regrouping correctly. | counters |  | | |
|  | 4 |  |  | Application on multiplication of 2 and 3 digit numbers by 8 and 9 with regrouping | Interprets word problems.  Multiplies 2 and 3 digit numbers by 8 and 9.  Regroups correctly. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Interpreting word problems properly.  Multiplying 2 and 3 digit numbers by 8 and 9. | counters |  | | |
|  | 5 |  |  | Multiplication of 2 digit numbers by 10 | Multiplies 2 digit numbers by 10.  Regroups correctly. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Multiplying 2 digit numbers by 10.  Regrouping correctly. | counters |  | | |
| 11 | 1 |  |  | Application of multiplication of 2 digit numbers by 10 | Interprets word problems.  Multiplies 2digit numbers by 10 | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Interpreting word problem correctly.  Multiplying 2 digit numbers by 10 correctly. | counters |  | | |
|  | 2 |  |  | Multiplication of numbers using a number line. | Identifies the starting point.  Show steps and movement on a number line  Multiplies using a number line | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Identifying the starting point.  Showing steps and movements on a number line  Multiplying single digits using a number line | counters |  | | |
|  | 3 |  |  | More on application of multiplication. | Interprets word problems.  Multiplies correctly. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Interpreting word problems.  Multiplying correctly. | counters |  | | |
|  | 4 |  |  | Multiplication tables | Interprets multiplication tables. Finds the missing numbers in the tables.  Multiplies correctly. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Interpreting multiplication tables.  Finding the missing numbers from the table. | counters |  | | |
|  | 5 |  | DIVISION OF WHOLE NUMBERS | Division of numbers using repeated subtraction without remainder | Subtracts correctly.  Counts the number of times subtraction has taken place. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Subtracting correctly.  Counting the number of times subtraction has taken place. | counters |  | | |
| 12 | 1 |  |  | Division of numbers by 2 and 3 without remainder using long division. | Divides numbers by 2 and 3 without remainders  Uses long division correctly. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Dividing numbers by 2 and 3.  Using long division to divide numbers by 2 and 3. | counters |  | | |
|  | 2 |  |  | Application on division of numbers by 2 and 3 without remainder using long division . | Interprets word problems.  Uses long division to divide numbers by 2 and3 | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Interpreting word problems.  Using long division to divide numbers by 2 and 3. | counters |  | | |
|  | 3 |  |  | Division as repeated subtraction with remainder | Divides numbers using repeated subtraction. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Dividing numbers using repeated subtraction. | counters |  | | |
|  | 4 |  |  | Division of numbers by 2 and 3 with remainder using long division. | Divides numbers using long division. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Dividing numbers using long division. | counters |  | | |
|  | 5 |  |  | Application of division of numbers by 2 and 3 with remainder using long division | Interprets word problems.  Uses long division to divide numbers by 2 and 3. | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Interpreting word problems.  Using long division to divide numbers by 2 and 3 | counters |  | | |
| 13 | 1 |  |  | More on division of numbers by 4,5,6,7,8 and 9 using long division without remainder | Divides numbers by 4,5,6,7,8,9 using long division | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Dividing numbers by 4,5,6,7, 8, 9 using long division. | counters |  | | |
|  | 2 |  |  | Application of division of 2 digit numbers by 4,5,6,7,8,9 using long division without remainder | Interprets word problems.  Divides numbers by 4,5,6,7,8,9 using long division | Pronounces, reads ,writes the new words correctly | Guided discovery  Think pair share | Problem solving  Logical thinking  Love care | Interpreting word problem.  Dividing numbers by 4, 5, 6, 7, 8, 9 using long division | counters |  | | |

**END**