

## P.3 MATHEMATICS SCHEME OF WORK FOR TERM 1 2024

W K	P D	TOP IC	S/TOPI C	CONTENT	SUBJECT COMPETEN CES A learner;	LANGUA GE COMPE TENCES A learner;	METHOD	LIFE SKILLS	TEACHING ACTIVITIES	TEACHING AIDS	REF	RE M
	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 Logical reasoning	Defining a set Naming sets Drawing sets	A chart with drawn sets	P	ri c u r r f o r U g a n d a
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 unequal 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 Love care	Defining empty sets Naming empty and not empty sets	Real objects like tins		

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	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 disjoint sets -Identify examples of disjoint 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 $B=\{u, a, d\}$ $A \cup B=\{a, b, c, u, d\}$	-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 a venn diagram -describing shaded regions on a venn diagram.	-Names regions on a venn 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 a venn diagram. Finding common members and difference in the two sets.	Represents information on a venn diagram. Finds common members and differences	Pronounces reads writes the new words correctly.	Question and answer. Guided discovery	Critical thinking Logical reasoning	Representing information on a venn diagram. Finding common members	Real objects An illustration on a chart		

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					in two sets				and difference in two sets			
	5			<b>TOPICAL TEST</b>								
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	Finds the expanded number	Pronounces, reads ,	Question and answer .	Problem solving	Finding the expanded number	An illustration		

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				Write 200+30+7 in short $200+30+7=237$	Adds digits correctly according to place values	writes ,the new words correctly	Guided discovery	Logical reasoning		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		

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5	1			<b>TOPICAL TEST</b>								
	2	NUMB ER PATTE RN AND SEQU ENCES	COUNT ING	Counting and finding the missing numbers	Counts and finds the missing number Adds or subtracts and finds the missing number	Pronoun ces, Reads, writes number symbols correctl y	Guided discovery  discussio n	Proble m solving Logical thinkin g Love Care	Counting and finding missing numbers	A chart show ing num ber symb ols		
	3			Counting in 2's from 0-100	Counts and finds the missing number Adds or subtracts 2 to find the missing number	Pronoun ces, Reads, writes number symbols correctl y	Guided discovery  discussio n	Proble m solving Logical thinkin g Love Care	Counting and finding missing numbers	A chart show ing num ber symb ols		
	4			Counting in 5's From 0-100	Counts and finds the missing number Adds 5 to find the missing number	Pronoun ces, Reads, writes number symbols correctl y	Guided discovery  discussio n	Proble m solving Logical thinkin g Love Care	Counting and finding missing numbers	A chart show ing num ber symb ols		
	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 correctl y	Guided discovery  discussio n	Proble m solving Logical thinkin g Love Care	Counting and finding missing numbers	A chart show ing num ber symb ols		
6	1			Counting in 100 From 0-2000	Counts and finds the missing number Adds 100 to find the missing number	Reads, writes number symbols correctl y	Guided discovery  discussio n	Proble m solving Logical thinkin g Love Care	Counting and finding missing numbers	A chart show ing num ber symb ols		
	2		Types of numbe rs	Even numbers Definition for even numbers	Defines even numbers. Lists some groups of even numbers	Pronoun ces, reads, writes the new words correctl	Guided discovery  Think pair share	Critical thinkin g Love Care joy	Defining even numbers. Listing some groups of even numbers	A chart With even num bers.		

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	3			Odd numbers Definition of odd numbers Listing some groups odd numbers.	Defines odd numbers. Lists some groups of odd numbers.	Pronoun ces, read, writes the new words correctl y	Discussio n  Guided discovery	Proble m solving Logical reasoni ng	Defining odd numbers. Listing some groups of odd numbers	A chart with odd num bers		
	4			<b>TOPICAL TEST</b>								
	5	OPER ATION ON WHOL E NUMB ERS	ADDITI ON OF WHOLE NUMB ERS	-Commutative property of addition -Addition of 3 and 4 digit numbers without regrouping.	Finds the missing numbers. Adds digits according to their place values	Pronoun ces ,reads , Writes the new words correctl y	Guided discovery  Think pair share.	Proble m solving Logical reasoni ng	Finding the missing numbers. Adding correctly	Phot o copie d work  Flash cards		
7	1			Application of Addition of 3 and 4 digit numbers without regrouping	Adds 3 and 4 digit numbers correctly	Pronoun ces ,reads , Writes the new words correctl y	Guided discovery  Think pair share.	Proble m solving  Logical reasoni ng	Adding 3 and 4 digit numbers correctly	coun ters		
	2			Addition of 3 and 4 digit numbers with regrouping	Identifies place values correctly. Adds and regroups correctly	Pronoun ces reads writes the new words correctl y	Question s and answer. Guided discovery .	Critical thinkin g Logical reasoni ng Love care	Identifying place value of each digit in the given figures. Adding and regrouping correctly	coun ters		
	3			Application of addition of 3 and 4 digit numbers with regrouping	Interprets application questions Arrange the digits according to their place values	Pronoun ces , reads sentenc es and finds correct interpre tation	Guided discovery Think pair share	Proble m solving Logical thinkin g	Interpreting application questions Adding 3 and 4 digit numbers correctly.	coun ters		
	4			Sum tables Example What number can you add to get the one in the middle	Finds the missing numbers from the sum table.	Pronoun ces, reads ,writes new words correctl	Think pair share Guided discovery	Proble m solving logi	Finding the missing numbers from the sum tables	coun ters		

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	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 regroup 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		

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	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 4 and 5 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 and 3 digit numbers by 4 and 5. Regrouping correctly.	counters		



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	5			Application of multiplication of 2 and 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 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	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	

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	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	
1 1	1			Application of multiplication of 2 digit numbers by 10	Interprets word problems. Multiplies 2 digit 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	

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	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	
1 2	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 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	
	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	Interprets word problems. Uses long	Pronounces, reads, writes	Guided discovery Think	Problem solving	Interpreting word problems. Using long	counters	

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				long division	division to divide numbers by 2 and 3.	the new words correctly	pair share	Logical thinking Love care	division to divide numbers by 2 and 3		
1 3	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	

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