MATHEMATICS SCHEMEE OF WORK
STANDARD 5, 2019

PRIMARY MATHEMATICS PUPILS BOOK 5

TERM 1

WEEK	LESSON	TOPIC AND SUB-TOPICS	OBJECTIVES	TEACHING AND LEARNING ACTIVITIES	TEACHING AIDS	REFERENCES	REM
1	**Term I Opening and Revision**						
2	1 & 2	**NUMBERS UP TO 999 999** Numbers	By the end of the lesson learners should be able to: Read and write numbers not exceeding 99999 Recognize place value of up to tens of thousands.	• The teacher will write a number on the chalk board. • Let learners identify the place value of the digits in the number. • Reading numbers aloud. • Exercises	Chalk board, Exercise books	Primary mathematicsPupils book 5pg. 1. Teachers Guide pps bk. 5 pg. 2	
	3.	Numbers up to hundred thousands	By the end of the lesson learners should be able to: Read and write numbers up to hundred thousands in symbols and in words.	• Revise the activity which number comes after a given number. • Discuss frame on pupils book pg. 2 to introduce hundred thousand. • 3. Learners to do exercise on pps book pg. 2	Frame on pupils book 5 page 2.	Primary mathematicsPupils book 5pg. 2 Teachers guide page 3.	
	4.	Place value of up to hundreds of thousands.	By the end of the lesson learners should be able to: Recognize and identify place value of up to hundreds of thousand.	• Say any number up to 99999 • Let others write the place value of the digits in the number. • Repeat place value • Discussion on the difference between place value and total value. • Working out exercise.	Frame on pupils book page 4	Primary mathematicsPupils book 5pg. 4 to 6. Teachers guide page 5 to 6	

	5	Total value of up to 999,999	By the end of the lesson learners should be able to: Recognize total value of the digits in the numbers up to 999,999	• Repeat place value. • Discussion on the difference between place value and total value. • Working out exercise.	Chalk boardFrame	Primary mathematicsPupils book 5pg. 6. Teachers book page 6.	
	6 &7	Rounding off numbers to the nearest 10 and 100	By the end of the lesson learners should be able to: Round off numbers to the nearest 10 and 100	• Teacher to chose any two digit number and let the class decide to which ten the number is nearest to. • Teacher will lead the class to generalize how to write numbers to the nearest 10	LearnersChalkboardFrame on pupils book page 7.	Primary mathematicsPupils book 5pg. 7 and 8. Teacher's guide page 7 and 8	
3	1 &2	**<u>OPERATION ON WHOLE NUMBERS</u>** Addition	By the end of the lesson learners should be able to: Add numbers up to 999,999.	• Revise addition with and without carrying. • Working out examples. • Stressing on correct alignment of numbers according to place value.	Pupils books Frame	Primary mathematicsPupils book 5pg. . 9, 10 and 11 Teachers guide bk 5 pg. 10 and 11	
	3& 4	Subtraction	By the end of the lesson learners should be able to: Subtract up to 6 digits	• Stress on correct alignment. • Skill involving borrowing . • Reading questions correctly.	Frame on pupils book 5 page 12.	Primary mathematicsPupils book 5pg. 12 and 13 Teachers guide pge 12 and 13	
	5.	Multiplication	By the end of the lesson learners should be able to: Multiply by 2 digit numbers by rounding off.	• Revision of rounding off • Demonstration • Exercise	Frame on page 13	Primary mathematicsPupils book 5pg. 14 Tr.Guide PG 13 - 14	
	6	Multiplication	By the end of the lesson learners should be	• Brain storm questions	Frame on	Primary	

			able to: Multiply up to 3 single digit number	• Explanation • Exercise	page15	mathematicsPupils book 5pg. . 15 Teachers guide pg. 15	
	7	Multiplication	By the end of the lesson learners should be able to: Multiply numbers by up to 2 digit numbers	• Discussion • Exercises	Frame on page 16 and 17	Tr. Guide pg 16 Primary maths ,.Pupils bk pg 16 - 17	
4	1 2 3&d 4 5 6 &7	Division By multiples of 10 Divide a 4 digit number by up to a 2 digit number with and without carrying. **NUMBERS** Revision Odd and even numbers Divisibility tests of 3, 4, 6 and 9	By the end of the lesson learners should be able to: Divide by multiples of 10 Tell the number of digits in the quotient i.e answer or the result given the divisor or divided. By the end of the lesson learners should be able to: Identify even and odd numbers in revision exercises By the end of the lesson learners should be able to: Recognise numbers divisible by 3, 4, 6 and 9.	• Explanation • Saying multiplication tables • Demonstration • Doing exercises • Let learners identify odd and even numbers • Working out exercise on page 21 and 22 • Revise tests for 2, 5 and 10. • Explanation and demonstration • Doing exercise on pg. 23 and 24.	Frames on pupils book pg 19 – 20 Chalkboard Learners Frames on pages 23 and 24	Primary mathematicsPupils book 5pg. 17 – 20 Teachers guide book pages 17 – 20 Pupils book pages 21 – 22 Tr. Guide pg. 21 – 22 Primary mathematicsPupils book 5pg. 23 – 25 Tr. Guide page 24 - 25	
5	1 &2	Prime numbers	By the end of the lesson learners should be able to: dentify prime numbers	• Explain what is a prime number • Demonstration	Chart 3 Table on pg. 27		
	3,	Prime factors	By the end of the lesson learners should be able to:	• Revise factors by expressing numbers as a product of 2	Frame on page 28	Primary mathematicsP	

	4&5		List factors and prime factors of numbers	factors • Introduce factor tree method		upils book 5pg. . 29 - 31	
	6&7	Divisors, common divisors and greatest common divisors	By the end of the lesson learners should be able to: Find divisors, common divisors and greatest common divisors	• Examples • Discussion			
6	1, 2, 3	Multiples, common multiples, and least common multiples (L.C.M)	By the end of the lesson learners should be able to: Find multiples, identify common multiples and least common multiples	• Revise through examples what the multiple of a number is. • Listing examples and circling the common multiples. • Pick the least but common multiple.	Chart 5	Primary mathematicsP upils book 5pg. 32 and 33 Teacher's guide pg. 31 - 33	
	4	patterns	By the end of the lesson learners should be able to: Recognize and identify patterns involving even, odd and prime numbers	• Discussion • Explanation		Primary mathematicsP upils book 5pg. 34	
	5&6	Roman numbers	By the end of the lesson learners should be able to: Recognize, read, and write numbers one to fifty in roman numerals	• Teacher to introduce I, V, X, L • Developing the technique of writing the numbers one to ten. • Exercises	Frame on pupils book page 35	Primary mathematicsP upils book 5pg. 35 – 36 Teacher's guide page 34 - 35	
	7	**FRACTIONS** Simplifying fractions	By the end of the lesson learners should be able to: Give fractions in their simplest forms	• Demonstration • Exercise		Pupils book page 37 - 38	
7	Mid – Term 1 exams and Break						
8	1	Simplifying by cancellation	By the end of the lesson learners should be able to: Simplify fractions by cancelling	• Demonstration • Exercise	Frames on pupils book page 38	Primary mathematicsP upils book 5pg. 38Teacher's guide pg 38	
	2 &3	Conversion of improper fractions into mixed numbers	By the end of the lesson learners should be able to: Convert fractions into improper fraction	• Demonstration • Work out exercise	Frame on page 40	Primary mathematicsP upils book 5pg.	

		and vise versa	and vise versa			39, 40,41	
	4 &5	Compare and order fractions	By the end of the lesson learners should be able to: Compare and order fractions	• Explanation • Working out	Frame	Primary mathematicsPupils book 5pg. 41 - 42	
	6, 7& 1	Addition and subtraction with renaming	By the end of the lesson learners should be able to: Add and subtract fractions with renaming	• Explanations	Frame	Page 43 - 45	
	5, 6& 7	Addition and subtraction of mixed numbers using L. C. M	By the end of the lesson learners should be able to: Add and subtract numbers using L.C.M	• Demonstration • Explanation • Discussion • Working out exercise	Frames on pages 49 and 50	Primary mathematicsPupils book 5pg. 49, 50 and 51 Teachers guide pages 47 - 49	
9	1&2	Multiplication	By the end of the lesson learners should be able to: Multiply whole numbers by fractions and vise versa Multiply whole numbers by mixed numbers and vise versa	• Explanation • Discussion	Frame onpage 52	Primary mathematicsPupils book 5pg. 52 Tr.s guide page 50 - 51	
	3	**LENGTH, PERIMETER AND AREA** length	By the end of the lesson learners should be able to: Estimate then measure the lengths of various objects to the nearest cm and m	• Estimation • Explanation • Exercise	Table on teacher's guide page 54	Trs. Guide page 54	
	4	length	By the end of the lesson learners should be able to: Estimate distance in meters	• Estimating	Rulers	Primary maths bk. 5	
	5&6	Length	By the end of the lesson learners should be able to: Recognize the km as a unit of measurement Convert cm to m and vise versa Convert m to km and vise versa	• Estimation • Conversion of units • Discussion • Exercises	Frame on pupils book page 56	Primary maths bk. 5	
	7	**REVISION**	By the end of the lesson learners should be able	• Revision	Pupils	Primary	

			to: Complete the exercise			mathematicsPupils book	
10	1	Addition	By the end of the lesson learners should be able to: Convert cm into m and m into km involving carrying	• Revision • Diagnostic tests			
	2	Subtraction	By the end of the lesson learners should be able to: Convert cm into m and m into km involving borrowing	• Revision • Diagnostic tests • Addition • Discussion • Subtraction • Multiplication • Division	Frame on pupils book page 58, 59, 62, 63 and 64	Primary mathematicsPupils book 5pg. 58 - 64	
	3	Multiplication	By the end of the lesson learners should be able to: Convert cm into m and m into km involving carrying				
	4&5	division	By the end of the lesson learners should be able to: Convert cm into m and m into km involving carrying				
	6&7	Perimeter of rectangles and squares	By the end of the lesson learners should be able to: Find perimeter of rectangles and squares using formula P=2(L+W) and P=4S	• Revision • Doing exercise	Frame on page 65 Chalk board	Primary mathematicsPupils book 5pg. 65 and 66	
11	1&2	Area of rectangles and squares	By the end of the lesson learners should be able to: Find areas of rectangles and squares using the formula L*W and S*S	• Revision • Demonstration	Frame on page 67	Primary maths bk. 5 Pupils book page 67 - 68	
	3	Area of a right-angled triangle	By the end of the lesson learners should be able to: Find the area of a right angled triangle	• Explanation • Demonstration • Exercises	Rectangular cut-outs Word diagonal	Primary mathematicsPupils book 5pg. 69 Tr.s guide page 64	
	4 &5	Length / width given area of one side	By the end of the lesson learners should be able to: Find the length or width when the area and either length or width is given	• Demonstration • Explanation		Tr.s guide page 65	
	6&7	**DECIMALS**	By the end of the lesson learners should be	• Explanations	Place value	Primary	

			able to: Identify thousandths Convert thousandths into decimals and vise versa	• Demonstrations	chart (chart 6)	mathematicsPupils book 5pg. 71 – 72 Trs. Page 67 - 68	
12	1&2	Conversion of fractions to decimals	By the end of the lesson learners should be able to: Convert tenths and hundredths into decimals and vise versa	• Speed tests • Mental work • Demonstrations		Primary mathematicsPupils book 5pg. 73 and 74	
	3&4	Addition and subtraction of decimals	By the end of the lesson learners should be able to: Add and subtract up to 3 decimal places	• Stress proper alignment and proper procedure for adding or subtracting		Primary mathematicsPupils book 5pg. . 5 Page 74 and 75	
	5&6	Multiplication					
	7	Estimating time by shadows	By the end of the lesson learners should be able to: Estimate time by shadow reading	• Fixing a pole on ground • Observation • Recording	A 2cm pole Several pegs	Primary maths bk. 5	
13	Revision and Preparation for End Term 1 Exam						
14	End Term 1 Exams and Closing						

TERM 2

WEEK	LESSON	TOPIC AND SUB-TOPICS	OBJECTIVES	TEACHING AND LEARNING ACTIVITIES	TEACHING AIDS	REFERENCES	REM
1	**Term 2 Opening and Revision**						
	6&7	**DECIMALS**	By the end of the lesson learners should be able to: Identify thousandths Convert thousandths into decimals and vise versa	• Explanations • Demonstrations	Place value chart (chart 6)	Primary mathematics Pupils book 5 pg. 71 – 72 Trs. Page 67 - 68	
2	1&2	Place value up to thousandths	By the end of the lesson learners should be able to: Identify thousandths	• Explanations • Demonstrations	Place value chart	Primary mathematics Pupils book 5 pg. 71 – 72	

			Convert thousandths into decimals and vise versa		(chart 6)	Trs. Page 67 - 68	
2	3&4	Conversion of fractions to decimals	By the end of the lesson learners should be able to: Convert tenths and hundredths into decimals and vise versa	• Speed tests • Mental work • Demonstrations		Primary mathematics Pupils book 5 pg. 73 and 74	
	5	Conversion of decimals to fractions	By the end of the lesson learners should be able to: Convert tenths and hundredths into decimals and vise versa	• Speed tests • Mental work • Demonstrations		Primary mathematics Pupils book 5 pg. 73 and 74	
	6	Addition and subtraction of decimals	By the end of the lesson learners should be able to: Add and subtract up to 3 decimal places	• Stress proper alignment and proper procedure for adding or subtracting		Primary mathematics Pupils book 5 pg. 74 and 75	
	7	Multiplications of decimals by whole numbers	By the end of the lesson learners should be able to: Add and subtract up to 3 decimal places	• Stress proper alignment and proper procedure for adding or subtracting		Primary mathematics Pupils book 5 pg. 74 and 75	
3	1	**TIME** Estimating time by length of shadows	By the end of the lesson learners should be able to: Estimate time by shadow reading	• Fixing a pole on ground • Observation • Recording	A 2cm pole Several pegs	Primary mathematicsPupils book 5pg.	
	2&3	Tell and write time in hours and minutes	By the end of the lesson learners should be able to: Tell and write time in hours and minutes	• Telling time	A clock face	Primary mathematicsPupils book 5pg.	
	4	Time in am and pm	By the end of the lesson learners should be able to: Read, tell and write down time IN am and pm in solving problems on time	• Explanation • Discussion	Chart 7 Clock face	Primary mathematicsPupils book 5pg. 79 – 83 Trs. Guide page 77 - 79	
	5&6	**REVISION**	By the end of the lesson learners should be able to: Convert hours into minutes and vise versa	• Revision	Pupils	Primary mathematicsPupils book 5pg. 84	
	7	Time in seconds	By the end of the lesson learners should be able to: Use the second as a unit of time	Discussion	Clock face with a second hand	Primary mathematics Pupils book 5 pg. 85	
4	1	Addition involving	By the end of the lesson learners	• Explanation	Frame on	Primary mathematics	

		time in hours, minutes and seconds	should be able to: Add hours, minutes and seconds	• Solving problems on addition from the page	page 86 and 87	Pupils book 5 pg. 86 - 89	
	2&3	subtraction involving time in hours, minutes and seconds	By the end of the lesson learners should be able to: Subtract hours, minutes and seconds	• Explanation • Solving problems on subtraction from the page	Frame on page 88	Primary mathematics Pupils book 5 pg. 87-88	
	4	Calculate Periods between given times	By the end of the lesson learners should be able to: Calculate Periods between given times	• Discussing Frame B in the pupil's book pg 88 • Explanations	Frame on page 89	Primary mathematics Pupils book 5 pg. 88,89 & 90	
	5&6	Tell, write and solve problems involving time using a.m and p.m	By the end of the lesson learners should be able to: Tell, write and solve problems involving time using a.m and p.m	• Orally revise reading and writing time to the nearest minute in short and long forms using a clock-face	Frame on page 91	Primary mathematics Pupils book 5 pg. 90-91	
	7	Multiply and divide hours, minutes and seconds	By the end of the lesson learners should be able to: Multiply and divide hours, minutes and seconds	• Multiplication with propoer carrying • Solving problems of division in pg 93	Chart 7,Clock face	Primary mathematics Pupils book 5 pg. 91-93	
5	1&2	ALGEBRA Add and subtract Like and Unlike terms	By the end of the lesson learners should be able to: Collect and add like terms of given algebraic expression Add and subtract Like and Unlike terms	• Collect and add like terms of given algebraic expression • Add and subtract Like and Unlike terms	Chart 7,Clock Frame on page 94	Primary mathematics Pupils book 5 pg94-96	
	3	Solving Equations	By the end of the lesson learners should be able to: Solving Equations	• Solve simple Equations involving addition and subtraction	Beam balance, weights, objects of equal weights e.g. wooden blocks	Primary mathematics Pupils book 5 pg. 97	
	4	Finding the Value of the unknown	By the end of the lesson learners should be able to: Finding the Value of the unknown	Solving problems to find the value of the unknown on pg. 98	Chart 7,Clock	Primary mathematics Pupils book 5 pg. 98	
	5	**REVISION**	By the end of the lesson learners should be able to:	• Revision EXERCISE	Pupils	Primary mathematics Pupils book 5	

			Complete a revision exercise				
	6&7	**GEOMETRY** **Measuring Angles**	By the end of the lesson learners should be able to: **Measure Angles**	• Use a unit measure to measure angels	Unit angle cut-outs (10o) hard paper	Primary mathematics Pupils book 5 pg. 99-115	
6	1&2	Unit angle and half disc	By the end of the lesson learners should be able to: Measuring unit angles	• Measuring unit angles • Marking unit angles • Using half disc to measure angles on pg.11-	Hard paper	Primary mathematics Pupils book 5 pg. 100	
	3	The protractor	By the end of the lesson learners should be able to: Identify the scales on the protractor and use the protractor to measure angels	• Discussions • Demonstrations on how to use a protractor • Revise the naming of angles	Half disc, protractors, chart 2	Primary mathematics Pupils book 5 pg.101	
	4&5	The reflex angle	By the end of the lesson learners should be able to: recognize and identify reflex angles	• Measuring angels • Discussions	Protractors	Primary mathematics Pupils book 5 pg. 102-104	
	6	Angles on a straight line Perpendicular lines	By the end of the lesson learners should be able to: Recognize and identify angles On a straight line Recognize and identify Perpendicular lines	• Measuring angels • Discussions		Primary mathematics Pupils book 5 pg. 105	
	7	**REVISION**	By the end of the lesson learners should be able to: Complete a revision exercise	• Revision EXERCISE	Pupils	Primary mathematics Pupils book 5	
7	Mid Term 2 Exams and Break						
8	1&2	Sum of angles of a triangle	By the end of the lesson learners should be able to: Work out problems involving Sum of angles of a triangle	• Drawing triangles and measure their angles • Adding angels of a triangle	Pieces of paper, protractor, a pair of scissors	Primary mathematics Pupils book 5 pg. 106-107	
	3		By the end of the lesson learners should be able to: Work out problems involving Sum of angles of a triangle	• Drawing triangles and measure their angles • Adding angels of a triangle		Primary mathematics Pupils book 5 pg.108-109	
	4	Right-angled Triangle	By the end of the lesson learners	• Drawing right angles	Ruler	Primary mathematics	

			should be able to: state the properties of right angle	• Discussions • Explanations		Pupils book 5 pg. 109-110	
	5&6	isosceles Triangle	By the end of the lesson learners should be able to:	• Filling of blanks in frame (i) and (ii) pg. 111 • Identifying angles and sides • Identifying isosceles triangles	Rulers, protractors, dividers	Primary mathematics Pupils book 5 pg. 111-113	
	7	Equilateral triangles	By the end of the lesson learners should be able to: draw right-angled and equilateral triangles using a ruler and a protractor	• Identifying angles and sides • Identifying equilateral triangles	Rulers, protractors, dividers	Primary mathematics Pupils book 5 pg. 114-116	
9	1&2	**MASS** The gram as a unit of measuring mass	By the end of the lesson learners should be able to: recognize and identify the gram as a unit of measuring mass	• Revise the kilogram by naming objects that are weighed in 1 kg,1/2kg and ¼ kg • Exercise on pg 116 • Exercise on pg 117 and 118	Beam balance,items to weigh which are lighter than a kilogram e.g packets of tea leaves,salt,sand	Primary mathematics Pupils book 5 pg.116-118	
	3	Conversion of kilograms to grams and vice versa	By the end of the lesson learners should be able to: Convert kilograms to grams and vice versa	• Converting of grams to kilograms • Discussions • Explanations	Pieces of paper,	Primary mathematics Pupils book 5 pg. 119-120	
	4&5	Addition and subtraction involving mass in kilograms and grams	By the end of the lesson learners should be able to: Add and subtraction mass in kilograms and grams	• Using frames on pages 121,122,123 and 124 to show addition, subtraction, multiplication and division involving mass in kg and g • Exercise	Beam balance, items to weigh which are lighter than a kilogram	Primary mathematics Pupils book 5 pg. 121-124	
	6	Multiplication involving mass in kilograms and grams	By the end of the lesson learners should be able to: Multiply mass in kilograms and	• Using frames on pages 121,122,123 and 124 to show addition, subtraction, multiplication and division involving mass in kg and g	Beam balance, items to	Primary mathematics Pupils book 5 123	

			grams	• Exercise	weigh which are lighter than a kilogram		
	7	Division involving mass in kilograms and grams by whole numbers	By the end of the lesson learners should be able to: Divide mass in kilograms and grams	• Using frames on pages 121,122,123 and 124 to show addition, subtraction, multiplication and division involving mass in kg and g • Exercise	Beam balance, items to weigh which are lighter than a kilogram	Primary mathematics Pupils book 5 124	
10	1&2	**MONEY AND POSTAL CHARGES** **Money**	By the end of the lesson learners should be able to: Add, subtract, multiply and divide in problems involving money	• Revising operations involving money in (sh and cts) • Work on page 125,126and 127	Price list of common items in a shop	Primary mathematics Pupils book 5 pg. 125-127	
	3		By the end of the lesson learners should be able to: Carry out shopping activities Make a list of items bought, stating the cost for each item and total cost	• Preparing a list of items bought and getting a total amount paid • Practicing shopping in groups using class dukas	Shop keeper's price list (Make your own chart),imitation money (coins and notes)	Primary mathematics Pupils book 5 pg. 128	
	4&5		By the end of the lesson learners should be able to: Write down and calculate cost on a bill Use the symbol @ when writing out a bill	• Preparing a list of items bought and getting a total amount paid • Practicing shopping in groups using class dukas	Shop keeper's price list	Primary mathematics Pupils book 5 pg.129-130	
	6		By the end of the lesson learners should be able to: Solve problems involving inland	• Discussing functions of the post office • Discuss postal charges • Work on page 131 and 132		Primary mathematics Pupils book 5 pg. 131-132	

			postage charge for letters and parcels				
	7	**REVISION**	By the end of the lesson learners should be able to: Complete a revision exercise	• Revision EXERCISE	Pupils	Primary mathematics Pupils book 5	
11	1	**GEOMETRY** **Perpendicular Lines**	By the end of the lesson learners should be able to: Recognize and identify perpendicular lines	• Draw perpendicular Lines • Discuss the frame on pag 133 • Exercise	Protractor, ruler and pencil	Primary mathematics Pupils book 5 133	
	2	Right –angled Triangle	By the end of the lesson learners should be able to: Draw right angled triangle using protractor and ruler only	• Drawing a right angle using a protractor • Exercise	Protractor, ruler and pencil	Primary mathematics Pupils book 5 pg. 134	
	3&4	Equilateral Triangle Parallel Lines	By the end of the lesson learners should be able to: Draw equilateral triangles using ruler and protractor only	• Discuss how to draw an angles • Exercise • Drawing parallel lines • Discussions • Exercise	Protractor, ruler and pencil	Primary mathematics Pupils book 5 pg. 135-137	
	5		By the end of the lesson learners should be able to: Construct parallel lines using a ruler and a set square only	• Demonstration on how to construct parallel lines • Construction of parallel lines	Protractor, ruler and pencil	Primary mathematics Pupils book 5 pg. 138	
	6&7		By the end of the lesson learners should be able to: Identify by measuring that the opposite sides of a rectangular are equal and parallel	• Revising parallel lines and sides • Discussions • Exercise	Rectangular sheets of paper	Primary mathematics Pupils book 5 pg. 139-140	
12	1	Revision	By the end of the lesson learners should be able to: Answer revision questions on Geometry	• Revising on geometry • Discussions • Exercise		Primary mathematics Pupils book 5 141-142	
	2	Patterns	By the end of the lesson learners should be able to: Make patterns involving triangles, rectangles and square	• Drawing patterns • Discussions and participations		Primary mathematics Pupils book 5 pg. 143	
	3	VOLUME AND CAPACITY Volume	By the end of the lesson learners should be able to: Find the number of cubes in a stack by multiplication in	• Arranging cubes or cuboids • Exercise	Cubes or Cuboids	Primary mathematics Pupils book 5 pg. 144	

			revision lesson				
	4&5		By the end of the lesson learners should be able to: Recognize and identify the cubic centimeter (cm3) as a unit of measuring volume Work out volume of cubes and cuboids using the formula (v=1xwxh)	• Arranging cubes or cuboids • Exercise	Centimeter cubes	Primary mathematics Pupils book 5 145-146	
	6&7	Capacity Estimating and measuring in ml. Addition, Subtraction, Multiplication involving liters ½ litres,1/4 liters and milliliters	By the end of the lesson learners should be able to: Recognize and identify the milliliters (ml) as a unit of measuring capacity Estimate and measure capacity in milliliters	• Estimate and measure capacity of different containers • Group work • Exercise		Primary mathematics Pupils book 5 pg. 147-150	
13	Revision and Preparation for End Term 2 Exams						
14	End Term 2 Exams and Closing						
				TERM 3			
WEEK	**LESSON**	**TOPIC AND SUB-TOPICS**	**OBJECTIVES**	**TEACHING AND LEARNING ACTIVITIES**	**TEACHING AIDS**	**REFERENCES**	**REM**
1	Term 3 Opening and Revisions						
2	1&2	**SCALE DRAWING**	By the end of the lesson learners should be able to: Represent given length on paper by drawing them to a given scale 1cm represents 10cm	• Measuring Lengths • Exercise	Metre rule and rulers	Primary mathematics Pupils book 5 151-152	
	3		By the end of the lesson learners should be able to: Represent given lengths using the scale 1cm represents 10cm	• Converting actual measurements into scale measurements • Discussions	Meter rule and rulers	Primary mathematics Pupils book 5 pg153	
	4&5		By the end of the lesson learners should be able to:	• Explaining how to get actual measurements from the scale	Meter rule and	Primary mathematics Pupils book 5 pg154-155	

			Calculate actual lengths given a scale drawing and the scale used	• Discussions and exercise	rulers		
	5,6& 7	Evaluation Exercise and Revision	By the end of the lesson learners should be able to: Complete Evaluation Exercise and Revision	• Revision • Discussions • Exercise	Meter rule and rulers	Primary mathematics Pupils book 5	
3	1&2	TABLES AND GRAPHS	By the end of the lesson learners should be able to: Collect and record data involving events familiar to the learners	• Discussing how to cvollect and record data • Collecting data • Explaining data collection	Bottle tops, pebbles (small stones sticks, fairly large tins)	Primary mathematics Pupils book 5 none	
	3		By the end of the lesson learners should be able to: Collect and record data on tables	• Discussing how many children the learners are in their fami.ly • Preparing tables to show collecting and recording g data	Bottle tops, pebbles (small stones sticks, fairly large tins)	Primary mathematics Pupils book 5 pg. one	
	4&5		By the end of the lesson learners should be able to: Represent data using block graphs	• Discussing how many children the learners are in their fami.ly • Preparing tables to show collecting and recording g data	A number of uniform blocks,(empty matchboxes),squared paper, paper stripes marked at 5cm intervals	Primary mathematics Pupils book 5 pg. 156	
	6		By the end of the lesson learners should be able to:	• Revise collection and recording data • Representing data on scales and graphs	Tables in pupils	Primary mathematics Pupils book 5 157-160	

			Represent data in graphs		book pg.157-163		
	7		By the end of the lesson learners should be able to: Represent data in graphs	• Revise collection and recording data • Representing data on scales and graphs	Tables in pupils book pg.157-163	Primary mathematics Pupils book 5 157-163	
4		Revision Exercise	By the end of the lesson learners should be able to: Complete the given exercises	• Evaluation Exercises • Discussions • Explanations	-	Primary mathematics Pupils book 5	
5& 6	1&2	MIXED EXERCISES Exercise 1	By the end of the lesson learners should be able to: Complete the exercises given	• Evaluation Exercises		Primary mathematics Pupils book 5 164-186	
7		CHARTS	By the end of the lesson learners should be able to: Familiarize with the Charts given	• Drawing Charts • Discussing Charts • Explaining Charts	Charts in the Teacher's guide pg.171-175.	Teacher's guide pg.171-175	
8	Revision and preparations for End Term 3 Exams						
9	End Term 3 Exams and Closing						