WK	PD	TOPIC	SUB	COMPETENCES		CONTENT	METHODS	TEACHING/	INDICATORS	IMS	REF	RE
			TOPIC	LANGUAGE	SUBJECT			LEARNING ACTIVITIES	OF LIFE SKILLS			
2		SET CONCEPTS	COMPLEMENT OF SETS	The learner describes the; - complement s of setsshaded regions.	The learner: - Shades and describes the shaded regionsIdentifies complement of sets.	Complement of sets. Shades and describes the regions.	Guided discovery Problem solving Discussion Demonstration Question and answer approach Brain storming	Finding the complement of a set Shading the complete of sets.	-Creative thinking Sharing -Effective communicati on -Fluency -Audibility Initiating new ideas	A chart showing complement of sets. Real items.	New Mk bk 6 page 2-3 Understandi ng maths bk6 pg. 8-9 Mk mathsbk6 Page 16 fountain maths Bk 6 page 8-15	
	2 & 3	TYPES OF SETS	SUBSETS AND PROPER SUBSETS	defines the terms subset and proper subsets	Finds the number of subsets & proper subsets.	Subsets & proper subsets.	Guided discovery Problem solving Discussion Demonstration Brain storming	Finding the relationship between subsets and universal sets. Forming subsets from a set. Listing of	Critical thinking Creative thinking Decision making Problem solving Effective communicati on	A chart showing complement of sets. Real objects.	New Mk bk 6 page 2-3 understandin gmaths bk6 pg. 8-9 Mk mathsbk6 Page 16 fountain maths Bk 6 page 8-15	
	4	Application of sets	Part 1	Reads, writes and interprets the mathematic al	Works out simple application of sets. Completes the venn diagram.	Simple application of sets	Guided discovery Group work Discussion Dramatization	Working out simple applications Completing the venn diagram.	Critical thinking Creative thinking Decision making	Groups of pupils in class	Mk math book 6 page 22-23	

WK	PD	TOPIC	SUB	COMPETENCES		CONTENT	METHODS	TEACHING/	INDICATORS	IMS	REF	RE
		10110	TOPIC	LANGUAGE	SUBJECT			LEARNING ACTIVITIES	OF LIFE SKILLS			
	5 & 6	TYPES OF SETS	APPLICATION OF SUBSETS AND PROPER SUBSETS	The learner;explains the following terms: subsets and proper subsets.	The learner; -Applies the formula to get the number of elements in a given set. Solves the mathematical expressions correctly.	1. How many elements are in a set with 32 subsets? 2. Calculate the number of members in a set with 63 proper subsets.	Guided discovery Group work Discussion Dramatization Exhibition Problem solving Inquiry method	Identifying the formula of finding number of subsets a proper subset Using the formula correctly to find number of elements.	Critical thinking Creative thinking Decision making Problem solving Effective communicati on	Slide show White board illustration.	Fountain maths bk. Mk maths bk 7 page 3-4	
	7	APPLICATION OF SETS	PART 2	The learner describes the information given on a Venn diagram	the learner; -Draws Venn diagram. (2 case)Correctly answers- questions from the Venn diagram.	Example Given that the n(A) =10, n(B)=15 n(AnB)=6 Show the above information on a Venn diagram a) Find n(A-B) n(A-B)	Guided discovery Group work Discussion Dramatization Problem solving	Drawing the Venn diagrams Representing data on a Venn diagram Find complement of a set.	Critical thinking Creative thinking Decision making Problem solving Effective communicati on	Groups of pupils in class	Functional Mathsbk6 pg10 Understandi ng mathsbk6 pg 12 Mk mtc bk6 pg 23-30	
3	1 & 2	APPLICATION OF SETS	PART 3	The learner describes the different ways through which a Venn diagram may be used to	The learner: 1. Shows information on Venn diagrams 2. Draws Venn diagrams for up to 2 sets 3. Finds the value of the unknowns. Finds probability involving Venn- diagram.	Example 1. In a class of 40 pupils, 20pupils like English (E) while 25 pupils like math (M) and some pupils like both subjects. a) Show the above on the Venn diagram. b) How many pupils like both subjects?	Guided discovery Group work Discussion Dramatization Problem solving	 Answering the oral questions Calculating for members in intersection Calculating simple probability using Venn – diagram. 	Effective Communicati on Audibility Confidence Critical thinking Analysing statements Making best use of	White board illustration Groups of pupils in class A written chart	Understandi ng mathsbk6 pg13-15 and bk 7 pg 8-9 Mk maths bk6pg29 Mk mtc bk7pg 10- 11	

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THE PEARL REVISED STANDARD DETAILED SCHEM OF WORK P.5 MATHS TERM 1 2024

WK	PD	TOPIC	SUB	COMPETENCES		CONTENT	METHODS	TEACHING/	INDICATORS	IMS	REF	RE
			TOPIC	LANGUAGE	SUBJECT			LEARNING ACTIVITIES	OF LIFE SKILLS			
				represent information		C) Find the probability of picking a pupil who likes only one subject to be the class captain?		- Displaying charts with information.	information given		Fountain primary maths bk 6 pg 16- 18,20-21	
	3	APPLICATION OF SETS	TOPICAL TEST	The learner; Reads, writes and answers the test given correctly	The learner; Applies the knowledge gained about sets to answer the test	TOPICAL TEST ABOUT SETS Complement of a set. Describe the shaded region Represent the information on the Venn diagram	Question and answer approach. Group work Think pair and share.	Doing the test individually or group work	Critical thinking Critical thinking Analysing statements Making best use of information given	Examination papers	Teacher's collection. Mk book 6 page 31 – 33	
	4 & 5	NUMERATION SYSTEMS AND PLACE VALUES	REVIEW OF P.5 WORK	The learner; Reads, writes and uses words related to place values and values of numbers.	The pupil:- 1.Reviews the place values and values of wholes up to ten millions. 2.Reviews writing figures in words up to ten millions and vice versa. 3.Expands whole numbers.	Reading and writing numbers in words. Listing place values of numbers Doing the revision exercise. Expanding whole numbers. Identifying place values and values of digits	Guided discovery Group work Discussion Problem solving Demonstration	Listing place values of numbers Reading of place values Writing numbers in words Writing numbers in expanded form. Identifying place values and values of digits.	Critical thinking Creative thinking Decision making Problem solving Effective communicati on	Place value chart.	Mk mathsbk6 page 34-39 Fountain maths bk6 pg. 37-41 Understandi ng math bk 6 pg. 22-27	

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WK	PD	TOPIC	SUB TOPIC	COMPETENCES LANGUAGE	SUBJECT	CONTENT	METHODS	TEACHING/ LEARNING ACTIVITIES	INDICATORS OF LIFE SKILLS	IMS	REF	RE
	6 & 7	NUMERATION SYSTEMS AND PLACE VALUES	ROMAAN NUMERALS	The learner; Reads, writes and uses the Roman symbols in sentences	The leaner; Reviews Roman numerals up to 2000. Changes Roman numerals to Hindu Arabic and vice versa.	- Roman numerals up to 2000. Give examples where roman numerals are used in real life Change roman numerals to Hindu Arabic and vice versa	Guided discovery Group work Discussion Dramatization Exhibition Problem solving Inquiry method	Reviewing Roman numerals up to 2000. Changing Roman numerals to Hindu Arabic and vice versa.	Critical thinking Creative thinking Decision making Problem solving Effective communicati on	Flash cards having the basic roman numerals.	Mk pupils book 6 page 49- 51.	
4	1	Numeration systems and place values	Topical test	The learner reads and writes the exam correctly	The learner uses the knowledge about numeracy to answer the test	Place values Values Expanding numbers Writing in words Writing in figures change to Hindu Arabic change to roman numerals	Group discussion Think pair and share Question and answer approach.	Attempting all questions given in the exams.	Critical thinking Organised work. accuracy	Question papers.	Mk pupils book 6 page 52 - 53	
	2	OPERATION ONS ON WHOLE NUMBERS	Revie wing basics on additio n and subtrac tion	The learner; explains the term sum and difference correctly	The learner; 1.Adds and subtracts whole numbers with or without regrouping correctly.	Example 1. What is the sum of 34564 to 333898 . 2. Subtract 459899 from 1000000	-Guided discovery Problem solving Class discussion Demonstration	- Answering the oral questions computing problems Thinking -Adding and subtracting numbers up to ten millions.	Critical thinking Creative thinking Decision making Problem solving Effective communicati on	A chart showing addition and subtraction of numbers	MK maths bk 6 page 55- 58 MK maths bk7 page 45 Understandi ng mtc bk 6 pg 40-45 Fountain Bk 6 pg.43-45	

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WK	PD	TOPIC	SUB	COMPETENCES		CONTENT	METHODS	TEACHING/	INDICATORS	IMS	REF	RE
			TOPIC	LANGUAGE	SUBJECT			LEARNING ACTIVITIES	OF LIFE SKILLS			
	3 & 4	OPERATION ONS ON WHOLE NUMBERS	Multipl ication And Divisio n Mixed operati ons on whole numbe rs	The Learner; Reads, pronounces new words involving multiplicati on. interprets sentences involving multiplicati on and division of numbers	The learner; -multiplies wholes numbers -divides whole numbers -solves word problems involving multiplication and division Calculates numbers involving mixed operations.	Work out; a)345x 13 b)4848 ÷24 c)9-3 +20÷4	-Guided discovery Problem solving Class discussion Group work	- Answering the oral questions computing problems Thinking - Involving multiplication and division - Divide 5digit by a 2 digit number.	effective communicati on -fluency - Audibility Confidence -Taking a decision -Making choice -Evaluating facts	Multiplication cards.	MK maths bk 6 page 59- 63 Understandi ng mtc bk 6 pg 54-59 Fountain match bk 6 pg 46-53	
	5 & 6	OPERATION ON WHOLE NUMBERS	STANDARD/ SCIENTIFIC NOTATION	The learner: 1. Explains the term scientific notation or standard form.	The learner: 1. Expresses whole numbers in standard form. 2. Expresses standard form as natural numbers.	Examples 1. Express 1489 in standard form. 2. What is 0.004543 in scientific form?	Class discussion Guided discovery	Writing numbers in standard form. Changing standard form to natural numbers.	Problem solving Evaluating facts Making choice	A chart showing numbers expressed in standard form.	Mk mtcbk 7pg 50 Understandi ng mtc bk 7 pg 38-40	

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WK	PD	TOPIC	SUB TOPIC	COMPETENCES LANGUAGE	SUBJECT	CONTENT	METHODS	TEACHING/ LEARNING ACTIVITIES	OF LIFE SKILLS	IMS	REF	RE
	7				TOPICAL EXAMINA	ATION						
5	1		DIVISIBILITY TESTS	The learner; Reads, pronounces new words correctly	The learner; - Tests numbers that are exactly divisible by 2,3,5,6 Applies divisibility tests of 2,3,5,6	Divisibility test of 2,3,5,6	Class discussion Guided discovery Demonstration Question and answer approach.	Testing numbers using division.	Problem solving Evaluating facts Making choice	counters	New mk bk 6 pg. 65	
	2		DIVISIBILITY TESTS	The learner; Reads sentences correctly. Pronounces new words correctly.	The learner; Tests numbers that are exactly divisible by 7,8,9,10,11 Applies divisibility tests of 7,8,9,10,11	Divisibility test of 7,8,9,10,11	Guided discovery Group work Discussion Dramatization Problem solving	Testing numbers divisible by 7,8,9,10,11	Critical thinking Creative thinking Decision making Problem solving Effective communicati on	Pictures of early man's tools. Map showing the location of stone age sites.	A new mk pupils book 7 page 61 and 62	
	3		NUMBER PATTERNS AND SEQUENCE.	The learner; Reads, pronounces new words correctly Interprets the Venn diagram to answer questions.	The learner; Prime factorizes numbers. Finds the prime factorized number. Represents prime factors on the Venn-diagram.	Examples Prime factorize the following; 40, 180 Find the number that has been prime factorized to give; (21,32)	Class discussion Guided discovery Problem solving	Prime factorizing numbers. Finding the number that has been prime factorized.	effective communicati on -fluency - Audibility -Confidence	A written chart	The primary six curriculum. The precise primary six pupils work book.	

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WK	PD	TOPIC	SUB	COMPETENCES		CONTENT	METHODS	TEACHING/	INDICATORS	IMS	REF	RE
			TOPIC	LANGUAGE	SUBJECT			LEARNING ACTIVITIES	OF LIFE SKILLS			
					Uses the Venn- diagram to find LCM and GCF		White board illustration		-Taking a decision -Making choice -Evaluating facts			
	4			The learner; Reads sentences correctly. Pronounces new words correctly.	Prime factorizes the following and represent the prime factors on the Venn diagram; 24 and 40	Prime factorize the following and represent the prime factors on the Venn diagram; 24 and 40	Guided discovery Group work Discussion Dramatization Exhibition Problem solving Inquiry method	Prime factorizes the following and represent the prime factors on the Venn diagram; 24 and 40	Critical thinking Creative thinking Decision making Problem solving Effective communicati on	A drawn chart having the Venn diagrams	New Mk math book 6 pg. 82-89	
	5		Unkno wn prime factors	The learner: Finds the unknown prime factor in the Venn diagrams	Finding the unknowns in the Venn diagram when prime factorized	Finding the unknown prime factor in the Venn diagrams	Guided discovery Group work Discussion Dramatization Exhibition Problem solving Inquiry method	Finding the unknown prime factor in the Venn diagrams	Critical thinking Creative thinking Decision making Problem solving Effective communicati on	A written chart	A new MK pupils book page 88 and 89	
	6 &	Types of numbers	Revie w of P.5 work	The learner reads the vocabulary such as	The learner: 1. Identifies the different types of numbers.	Types of numbers; Composite, primes, cube, triangular, odd, even counting/natural,	Guided discovery Group work Discussion	Answering the given oral questions. Identifying the	Effective communicati on -accuracy	Calendar Number chart Ground number line	Mk primary maths bk 6 page 65-75 Understandi	
	7			Composite, primes, cube,	2. Finds the squares and	whole numbers	Problem solving.	square numbers	-logical confidence		ng mtc bk 6 pg. 62-66	

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WK	PD	TOPIC	SUB	COMPETENCES		CONTENT	METHODS	TEACHING/	INDICATORS	IMS	REF	RE
			TOPIC	LANGUAGE	SUBJECT			LEARNING ACTIVITIES	OF LIFE SKILLS			
				triangular, odd, even counting/na tural, whole numbers	square roots of numbers. 3. completes the number patterns			Defining the different types of numbers.			Fountain maths bk 6 pg.57-65 LD study work book for upper primary	
6	1 & 2	Counting numbers	Consec utive counti ng /whole umber s or integer s	The learner; describes the meaning of consecutive numbers.	The pupil; -Finds the required consecutive counting numbers	Example: 1. The sum of three consecutive counting numbers is 36. Find these numbers.	Discussion Guided discovery Brainstorming	Answering the oral question Doing the given exercise. Counting numbers map of East Africa.	Critical thinking Creative thinking Decision making Problem solving Effective communicati on	A chart showing how to find the consecutive numbers.	MK maths bk6 PG 77- 79 Fountain BK 6 pg. 67-70	
	3 & 4	Types of numbers	Even And odd numbe rs	The learner: 1.describes the meaning of consecutive even/ odd numbers	The pupil:- 1.Finds the consecutive odd numbers 2. Find the consecutive even numbers	Example 1. The sum of four consecutive odd numbers is 32. Find the numbers Find the three consecutive even numbers whose sum is 78.	Class discussion Guided discovery Brain storming Demonstration	Answering the oral question Doing the given exercise. Counting numbers	Critical thinking Creative thinking Decision making Problem solving Effective communicati on	A chart showing how to find the consecutive numbers.	MK maths bk6 PG 77- 79 Fountain BK 6 pg. 67-70	

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			TOPIC	LANGUAGE	SUBJECT			LEARNING ACTIVITIES	OF LIFE SKILLS			
	5	Relationship between LCM and GCF		The learner describes the relationship between GCF and LCM	The pupil: - Calculates the value of the GCF when given the LCM and the numbers Find the missing numbers when given the GCF and LCM	EXAMPLE: 1. Given that the LCM of 16 and y is 48 and their GCF is 4. Find the value of y. The product of two numbers is 60 and their GCF is 6. Find the LCM	Class discussion Guided discovery Problem solving	Doing the class exercise Answering oral questions Discovering the relationship of LCM and GC.F.	Critical thinking -analyzing statements -taking a decision	White board summary	Primary mathematics for Uganda bk6 page 52 Understandi ng mtcbk 6 pg 76-78	
	6 & 7	NUM ERAC Y		Application of LCM	The pupil; 1. Applies LCM in their day today life. 2. Works out correctly questions involving the applications of LCM	The learner; describes the different ways through which the knowledge of LCM may be applied	Example; 1. Find the smallest number that can be divided by 4 or 6 leaving the remainder as 2 2. In a school, two bells are rung a intervals of 30 minutes and 40 minutes respectively	Class discussion Problem solving Guided discovery	Answering the given oral questions Attempting the given evaluation exercise	Critical thinking Problem solving	Bells Timers	Pri ma ry ma the ma tics for Ug an da Bk 6p ag e 53

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WK	PD	TOPIC	SUB	COMPETENCES		CONTENT	METHODS	TEACHING/	INDICATORS	IMS	REF	RE
			TOPIC	LANGUAGE	SUBJECT			LEARNING ACTIVITIES	OF LIFE SKILLS			
							to change lessons.					
7	1 & 2	Numb er patter ns and squen ces		Revision on square roots	The learner; Reads writes and interprets the questions accurately	The learner; Finds the square root of whole numbers, fractions and decimals.	Find the square root of whole numbers, fractions, and decimals.	Demonstration Guided discovery Brain storming Question and answer approach.	Finding the square root of whole numbers Finding the square root of fractions. Finding the square root of decimals. Answering both oral and written questions.	Effective communication Problem solving Fluency Critical thinking	White board illustration	A ne w MK pri ma ry Ma the ma tics pu pils bo o
	3					topical tests						
	4	Fractions	Revisi on	The learner; Reads, writes and uses words related to fractions in sentences correctly	The learner; Arranges fraction in the order of BODMAS Finds the LCD Uses the LCD correctly to simplify the problem	Addition of fractions subtraction of fractions $\frac{5}{6} - \frac{1}{3} + \frac{1}{2} - \frac{1}{5}$	Guided discovery. Demonstration method. Class discussion	Arranging the fractions in the order of BODMAS. Finding the LCD Solving the problem using the LCD.	Cooperation Appreciation Critical thinking Problem solving	A written chart	A new MK primary Mathematics 2000 book 7 page 75 and book 6 page 106	

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WK	PD	TOPIC	SUB	COMPETENCES		CONTENT	METHODS	TEACHING/	INDICATORS	IMS	REF	RE
			TOPIC	LANGUAGE	SUBJECT			LEARNING ACTIVITIES	OF LIFE SKILLS			
											p.7 curriculum page 149	
	5	fracti ons	Multipl ication	Makes sentences related to fractions	The learner; Multiplies and divides the fraction by whole number Multiplies and divides a fraction by a fraction Finds the reciprocal of fractions	Multiplication of fraction by a whole number. Multiplication of a fraction by a fraction. Division of fraction by a whole. Division of fraction by a fraction	Guided discovery Group discussion Think pair and share. Demonstration	Multiplying the fraction by la whole Multiplying a fraction by a fraction Dividing fractions Finding reciprocal	Critical thinking Decision making Problem solving Effective communicati on	Real objects like bread, oranges, etc	A new MK primary Mathematics 2000 book 7 page 76- 77 and book 6 page 107 p.7 curriculum page 149	
	6	Fractions	Mixed fractio ns	The learner; Reads and writes fractions correctly	The learner; Identifies the order of operation (BODMAS) Works the mixed involving fractions	Simplifying the mixed operation	Guided discovery Group work Discussion Dramatization Exhibition Problem solving Inquiry method	Identifing the order of operation (BODMAS) Working the mixed involving fractions.	Critical thinking Creative thinking Decision making Problem solving Effective communicati on	Sentence strips.	The primary six curriculum. The precise primary six pupils work book.	

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WK	PD	TOPIC	SUB TOPIC	COMPETENCES LANGUAGE	SUBJECT	CONTENT	METHODS	TEACHING/ LEARNING ACTIVITIES	OF LIFE SKILLS	IMS	REF	RE
	7	decim als	Additi	The learner; Reads, writes and uses words related to decimals	The learner; Adds decimals. Subtracts decimals.	Adding decimals to three paces Subtracting decimals to three places Addition and subtraction of decimals	Guided discovery Group work Discussion Dramatization Exhibition Problem solving Inquiry method	Adding decimalsSubtracting decimalsArranging decimals in order of BODMAS	Critical thinking Creative thinking Decision making Problem solving	Place value chart	A new MK primary mathematics book 9 page 114 - 115	
8	1 & 2	Decim als	Multipl ication of decima Is	The learner; Reads and writes decimals correctly	The learner; multiplies the decimals vertically Multiplies the decimals horizontally	Multiplication of decimals vertically Multiplication of decimals horizontally	Guided discovery Group discussion Brain storming	multiplying the decimals vertically Multiplying the decimals horizontally	Critical thinking Decision making Problem solving	Sentence strip	A new MK Mathematics book 6 page 116 – 117.	
	3	Decim als	Divisio n of decima Is	The learner; Writes numerals correctly	The leaner; Divides the decimals by a whole number Divides the decimals by decimals	Division of decimals by whole numbers. Division of decimals by decimals.	Guided discovery Group discussion Brain storming Demonstration Think pair and share	Dividing the decimals by a whole number Dividing the decimals by decimals	Critical thinking Creative thinking Decision making Problem solving Effective communicati on	white board illustration	A new MK Mathematics book 6 page 119 – 120	

WK	PD		SUB TOPIC	COMPETENCES		CONTENT	METHODS	TEACHING/	INDICATORS	IMS	REF	RE
				LANGUAGE	SUBJECT			LEARNING ACTIVITIES	OF LIFE SKILLS			
	4 & 5	Decim als	Mixed operati on	The learner; Writes and reads the decimals correctly	The learner; Multiplies correctly Divides correctly Writes the final answer in decimals	Multiplication and division of decimals $\frac{0.24 \times 0.3}{0.8}$	Guided discovery Demonstration method Brain storming Think pair and share	Multiplying correctly Dividing correctly Writes the final answer in decimals	Critical thinking Creative thinking Decision making Problem solving	A new MK mathematics book 6 page 121.	The primary six curriculum. The precise primary six pupils work book.	
	6 & 7	Fractions	Applic ation of fractio ns	The learner; Reads writes and interprets the word problem involving the fractions	The learner; Solves the problem by making mathematical statements	More about fractions After covering $\frac{2}{3}$ of the journey, the cyclist still had 40km to go. How long was the journey?	Guided discovery Demonstration method Brain storming Think pair and share	Solving the problem by making mathematical statements	Effective communicati on Critical thinking Problem solving Fluency Accuracy	A written chart	LD work book for upper primary.	

WEEK 9 AND 10; PREPARATION FOR END OF TERM EXAMS.

COMPILED BY THE PEARL MATHS DEPARTMENT
TEL 0757999162/07821719

WI	F	PD	TOPIC	SUB	COMPETENCES		CONTENT	METHODS	TEACHING/	INDICATORS	IMS	REF	RE
				TOPIC	LANGUAGE	SUBJECT	1		LEARNING	OF LIFE SKILLS			
					LANGUAGE	3003261			ACTIVITIES				