

## MATHEMATICS SCHEME OF WORK P.4

w k	PD	THEM E	TOPIC	SUBTOPIC AND CONTENT	METH ODS & TECH NIQUE	COMPETENC ES	SUGEST ED ACTIVI TIES	LEARNI NG AIDS	LIFE SKILLS AND VALUES	REFE REN CE	REM ARK S
					S		TILLS				
1	1	NUME RACY	NUMER ATIONS SYSTEM S AND PLACE VALUES	Place values of whole numbers up to ten Examples What is the place value of each of the digits in the number 32,457?  TT TH H T O H 3 2 4 5 7	Guided discove ry  Brain stormin g  Illustrat ions	The learner; -names the place values from ones to millions  Identifies the place values of each digit	Using the abacus or place value table to show the place value of various numbers  Reading and	Using abacus  A chart showing place values of whole numbers	Life Skills  Effective communic ation  Problem solving  Creative thinking	A new Mk MTC pupils boo4 Page 13-31  Prima ry four	

			one	Explan		writing		Critical	mathe	
			Tens	ation		the place		thinking	matics	
			Hundreds			value of			syllab	
			Thousands	Questio		each digit		Values	us	
			Tens thousands	n and		in a		Accuracy	book	
				answer		number		Fluency	page	
				ans wer		nameer		Tracticy	5-9	
									and	
									18	
									10	
1					The learner;					
1			What is the place value of digit 8 in	Guided				Life Skills		
	1		the number 30482?	discove						
				ry	-names the			Effective		
			TT TH H T O	-3	place values			communic		
			H   H   H   H   H   H   H   H   H   H		from ones to	Using the		ation		
			3 0 4 8 2	Brain	ten thousand	abacus or				
				stormin	ten mousund	place		Problem		
					Identifies the	value	Using an	solving		
				g	place value of	table to	abacus	Sorving		
			Ones				avacus	Creative		
				T11	each digit	show the	A .1			
			Tens	Illustrat		place	A chart	thinking	A	
			Hundreds	ions		value of	showing	a	new	
			Thousands			various	place	Critical	Mk	
			Tens thousands	Explan		numbers	values of	thinking	MTC	
			It is <u>tens</u>	ation						

	2			Finding Values Of Whole Numbers What is the value of each digit in the number 32457?  TTh Th H T O 3 2 4 5 7  Ohes 7x1= 7  Tens 5x10= 50  Hundreds 4x100=400  Thousands 2x1000=2000  Ten Thousands 3x10000=30000	Questio n and answer		Reading and writing the values of each digit in a number.	whole numbers	Values Accuracy Fluency	pupils boo4 Page 13-31 Prima ry four mathe matics syllab us book page 5-9 and 18
1	3	NUMERACY	NUMERATION SYSTEMA AND PLACE VALUES	Place Values Of Decimal Numbers  Give the place value of each digit in a number 13.2  T O Tenths 1 3 2  Tenths Ones  Tens The place value of 2 is tenths	Guided discove ry  Brain stormin g  Illustrat ions  Explan ation	The Learner: Identifies the place values of decimals up to Hundredths  Reads and spells place values of decimals correctly	Reading and spelling place values of decimals correctly  Writing place values of decimals correctly	A chart showing place values of Decimals up to Hundredt hs	Life Skills  Effective communic ation  Problem solving  Creative thinking  Critical thinking  Values Accuracy	A new Mk MTC pupils boo4 Page 13-31  Prima ry four mathe matics syllab

				What is the place value of 5 in the number 27.15  T O T <sup>th</sup> H <sup>th</sup> 2 7 1 5  Hundredths Tenths Ones Tens The place value of 5 is Hundredths	Questio n and answer		Identify place values of decimals		Fluency	us book page 5-9 and 18	
2	1	NUMERACY	NUMERATION SYSTEMS AND PLACE VALUES	Values of decimal numbers  O T 0 3  Tenths - 3 tenths 3 X 0.1 = 0.3  Give the value of 7 in the number 25.47  T O T <sup>th</sup> H <sup>th</sup> 2 5 4 7  Hundredths 7 X 0.01 = 0.07	Guided discove ry  Brain stormin g  Illustrat ions Explan ation  Questio n and answer	The Learner:  Identifies the place value of decimals  Finds the value of decimals	Finding the values of decimal numbers	Real objects like sticks, oranges	Life Skills  Effective communic ation  Problem solving  Creative thinking  Critical thinking Values  Accuracy Fluency	A new Mk MTC pupils boo4 Page 13-31	
2	2			Application of values of numbers What is the sum of the value of 8 and the value of 5 in the number 23845?	Guided discove ry	The Learner: Finds the values of the digits	Finding the sum of values of digits	Chart showing finding the sum	Life Skills Effective communic ation	A new Mk MTC	

F	1		11_	_	_			1	1-	T			T =	T	1
			T TH	T	Н	T	О		Brain			of values	Problem	pupils	
				Н					stormin	Applies the		of digits	solving	boo4	
			2	3	8	4	5		g	concept of sum				Page	
					- 1		1		Illustrat	to the values of			Creative	13-31	
						(	Ones-:	ones	ions	digits			thinking		
							5 X 1	= 5							
									Explan				Critical		
				Н	lun'dı	eds-8	8 Hun	dreds	ation				thinking		
					8 X	100 =	= 800								
			Sum	l	=	800	)		Questio				Values		
						<u>+ :</u>	5		n and				Accuracy		
					=	80			answer				Fluency		
							_					C1			
2									Guided		Din din a	Chart	I :C. Cl.:11.		
_			Find	the d	liffer	ence	betwe	en the		A12	Finding	showing	<u>Life Skills</u>		
			valu	e of 3	and	the p	olace v	alue of	discove	Applies the	the differenc	finding the	Effective	A new	
	2			e nun					ry	concept of difference to	e of	differenc	communic	Mk	
										the values of	values	e of	ation	MTC	
			T	T	Н	T	О		Brain	digits	and place	values of	ation	pupils	
			T	Н					stormin	digits	values of	digits	Problem	boo4	
			Н								digits.	digits	solving	Page	
			2	3	8	4	5		g		digits.		Solving	13-31	
					<u> </u>		1						Creative	Prima	
									Illustrat				thinking	ry	
							ns-10		ions					four	
							Thous		10115				Critical	mathe	
							= 3000	)	Explan				thinking	matics	
			Diffe	erence	e =		000		ation					syllab	
							<u>- 10</u>						Values	us	
						2	<u> 1990</u>		Questio				Accuracy	book	
									n and				Fluency	page	
									answer					5-9	
														and	
														18	

	1					I	I	I	T T	1
2	3		Writing whole numbers in words  Example  Mi Thousands units  O H T O H T O 3 7 8 9 1 4 3  Three million seven hundred eighty-nine thousand one hundred forty three	Guided discove ry Brain stormin g Illustrat ions Explan ation	The learner; writes whole numbers in words	Writing whole numbers in words  Drawing of place value charts or tables	Chalk board illustratio ns	Life Skills  Effective communic ation  Problem solving  Creative thinking	A new Mk MTC pupils boo4 Page 13-31	
2	4		Writing decimals in words  Example Write 7.5 in words $7.5 \rightarrow 7$ Seven $0.5$ and five tenths $7.5 = $ Seven and five tenths	Questio n and answer	The learner: writes decimals in words reads decimals	Arrange decimals according to the right place value of digits.	Chalk board illustratio ns	Critical thinking  Values Accuracy Fluency	A new Mk MTC pupils boo4 Page 13-31	
2	5		Writing number words in figures Examples Nine million three hundred sixty four thousand one hundred twenty eight  9,000,000 364,000 + 128 9,364,128	Guided discove ry Brain stormin g	The learner; writes number words in figures	Writing number words in figures  Arrangin g values of number words	Chalk board illustratio ns	Life Skills  Effective communic ation  Problem solving  Creative thinking	A new Mk MTC pupils boo4 Page 13-31 Prima ry	

		Writing decimals in figures			according			four	
		<u>Example</u>	ions		to periods		Critical	mathe	
		Write three tenths in figures			Drawing	Chalk	thinking	matics	
•		O Tenths	Explan		place	board		syllab	
3	1	0 3	ation		value	illustratio	Values	us	
	1	3			charts or	ns	Accuracy	book	
		$= 0.3 \text{ or } \frac{3}{10}$	Ouestio		tables		Fluency	page	
		Example 2	n and		Arrangin		litaency	5-9	
		Write seven and two tenths			g digits			and	
		figures	III aliswei		according			18	
		Seven – 7 or O T	hs		to right			10	
		Two tenths +0.2 7 2			place				
		Two tentis 10.2			values				
		7.2			values				
	1		0:1:				T : C C1 : 22		
3		Forming three digit number				~	Life Skills	A	
•		<u>Example</u>		The learner;	Arrangin	Chalk		new	
	2	a) Form all the three di			g digits	board	Effective	Mk	
		numbers from the dig		forms three	to form	illustratio	communic	MTC	
		7,5		digit numbers	three	ns	ation	pupils	
		175 517 715		from the	digit			boo4	
		157 571 751	stormin	numbers given	numbers		Problem	Page	
		b) Form the three digit	g				solving	13-31	
		numbers from 0,3,9							
		309 903					Creative	Prima	
		930	Illustrat				thinking	ry	
	1	Forming the	ions					four	
	3	smallest		Forms the			Critical	mathe	
		three digit	Explan	smallest three	Arrangin		thinking	matics	
				digit numbers	g digits		5	syllab	
		no. Arrange the		from given	from		Values	us	
				digits	smallest		Accuracy	book	
		digits starting	n and		to highest		Fluency		
			answer		to ingliest		1 lucitey	page 5-9	
	1		answei				1	J-7	

			with the						and	
			smallest						18	
			<u>Example</u>							
			Using							
			1,7,5 form							
			the smallest							
			no.175							
3			Application of formed three digit	Guided	The learner;			Life Skills	A	
J			numbers	discove	Applies the	Adding			new	
	4		Example	ry	concept of sum	the	Chalk	Effective	Mk	
	7				to the formed	formed	board	communic	MTC	
			Find the sum of the smallest and		numbers	numbers	illustratio	ation	pupils	
			the largest digit numbers you have	Brain			ns		boo4	
			formed in a	stormin				Problem	Page	
			157	g				solving	13-31	
			<u>+751</u>	0						
			908	Illustrat				Creative		
				ions				thinking		
				Explan						
				ation				Critical		
								thinking		
				Questio						
				n and				Values		
				answer				Accuracy		
								Fluency		
3				Guided	The learner;			Life Skills	A	
3				discove	Applies the	Finding		Effective	new	
	5			ry	concept of	differenc	Chalk	communic	Mk	
			Finding their difference	Brain	difference to	e of	board	ation	MTC	
				stormin	the formed	formed	illustratio		pupils	
			67 1 45 11	g	numbers	numbers	ns	Problem	boo4	
			<u>-1 5 7</u>	Illustrat				solving	Page	
				ions					13-31	
			5 9 4	Explan				Creative		
				ation				thinking		

				Questio n and answer				Critical thinking  Values Accuracy Fluency		
4	1		Writing whole numbers in expanded form Using place values Write 3694 in expanded form  TH H T O  3 6 9 4  Ones -4 x 1  Tens - 9 x 10  Hundreds -6 x 100  Thousands -3 x 3000  (3x1000)+(6x100)+(9x10)+(4x1)	Guided discove ry Brain stormin g Illustrat ions Explan ation Questio n and answer	The learner; Writes numbers in expanded form using place values	Drawing place value charts  Arrangin g digits according to right place values  Multiplyi ng each digit with the right place value	A chart showing Writing whole numbers in expanded form	Life Skills  Effective communic ation  Problem solving  Creative thinking  Critical thinking  Values  Accuracy Fluency	A new Mk MTC pupils boo4 Page 13-31	
4	2		Using values  Expand 73,604 using values  TT T H T O H T O O Ones4x1 = 4  Tens 9 x 10 = 90	Guided discove ry Brain stormin g	The learner; Writes numbers in expanded form using values	Drawing place value charts Arrangin g digits according	A chart showing Writing whole numbers in	Life Skills Effective communic ation Problem solving	A new Mk MTC pupils boo4 Page 13-31	

			Hundreds 6 x 100 = 600			to right	expanded	Creative		
			Thousands $3 \times 1000 = 3000$			place	form	thinking		
			The Thousands7x10000= 70000	Illustrat		values				
			70000+3000+600+90+4	ions		Multiplyi		Critical		
			7000012000100019011	TOTIS		ng each		thinking		
				Explan		digit with		umiking		
				ation		the right		Volum		
				ation				<u>Values</u>		
						place		Accuracy		
						value		Fluency		
				Questio	The learner;	Writing			A	
			Finding the expanded numbers	n and	Finds numbers	expanded	Chalk	Life Skills	new	
4			(Writing in short )	answer	in expanded	in short.	board	LIIC SKIIIS	Mk	
4			(2x1000)+(4x100)+(7x10)+(2x1)	answei	form	III SHOIT.	illustratio	Effective	MTC	
	3		(2x1000)+(4x100)+(7x10)+(2x1) 20000 + 400 + 70 + 2		101111					
							ns	communic	pupils	
			= 2000	G : 1 1				ation	boo4	
			400	Guided					Page	
			70	discove				Problem	13-31	
			+2	ry				solving		
			2472							
								Creative		
				Brain	Reads roman	Reading		thinking	Prima	
			Roman numerals	stormin	numerals	roman			ry	
	4		Basic roman numerals	g		numerals	A chart	Critical	four	
			1, 5, 10, 50, 100	Ü	Identifies types		showing	thinking	mathe	
			I, V, X, L, C		of roman		types of		matics	
			Repeated roman numerals	Illustrat	numerals		roman	Values	syllab	
			2 = 1 +1 = 11	ions			numerals	Accuracy	us	
			3 = 1 + 1 + 1 = 111	-3440				Fluency	book	
			20=10+10=XX	Explan					page	
			30=10+10+10=LXXX	ation					5-9	
						Interpreti			and	
			Additional roman numerals	Questio		ng			18	
			6 = VI = 5+1	n and		different				
			7 = VII = 5+2			GIIICICIII				
			, = , H = 3,2	answer				İ		1

		8 = VIII = 5+3 60 = LX = 50+10 70 = LXX = 50+10+10 80 = LXXX = 50+10+10+10 Subtraction roman numerals 4-5-1=IV 40-50-10 =XL 9 = 10-1 =IX 90=100-10=XC			roman numerals				
4	5	Changing Hindu Arabic to roman numerals Examples a) Convert 14 to roman numerals $14 = 10 + 4$ $= X + IV$ $= XIV$ Changing from roman numerals	Guided discove ry	The learner; Changes Hindu Arabic numerals to Roman numerals	Separatin g roman numerals correctly Changing Hindu	Chalk board illustratio ns	Life Skills  Effective communic ation  Problem		
5	1	to Hindu Arabic numerals  Express XIX in Hindu Arabic  X = 10  IX = +9  XIX = 19  Change XCVII to Hindu Arabic  XC = 90  VII = +7  XCVII = 97	Brain stormin g Illustrat ions Explan ation	roman numerals to Hindu Arabic  The learner; Rounds off	Arabic to roman numerals and vice- versa	Chalk board illustratio ns	Creative thinking  Critical thinking  Values Accuracy		
	2	Rounding off whole numbers to the nearest tens Examples i) Round off 54 to the nearest tens	Questio n and answer	roman numerals to the nearest tens			Fluency	A new	

	<del>◆ I I I I I I I I I I I I I I I I I I I</del>		Drawing	Mk
	50 51 52 53 54 55 56 57 58 59 60		number	MTC
	54 is nearer to 50 than it is to 60	Rounds off	lines	pupils
	❖ 54 is rounded off to 50	roman		boo4
	Rounding off to the nearest	numerals to the		Page
3	<u>hundreds</u>	nearest		13-31
	<u>Examples</u>	hundreds	Rounding	
	Round off 140 to the nearest		numbers	
	hundreds		up or	
	<del>&lt;                                      </del>		down	
	100 110 120 130 140 150 160 170 180 190 200		respectiv	
	140 Is nearer to 100 than to 200.		ely	
	140 becomes 100 when rounded			
	off to the nearest hundreds.			

_				1	~	1	1	ı		I . I
5		NUMERA	<u>OPERA</u>	Addition of whole numbers	Guided				<u>Life Skills</u>	A
		CY	<b>TION</b>	Without regrouping	discove	The learner;	Adding	Chalk		new
	4		ON	Examples	ry	Adds whole	whole	board	Effective	Mk
	•		NUMBE	Add 7464 to 2425		numbers	numbers	illustrati	communic	MTC
			RS	TTH TH H T O		without re-		ons	ation	pupils
			100	2 4 2 5	Brain	grouping.		Ons	diloli	boo4
				+ 7 4 6 4	stormin	grouping.			Problem	Page
										33-55
				9 8 8 9	g				solving	33-33
				***					Constitution	
				Word problems	¥11				Creative	D :
				Mr. Kamoga has Shs. 35,500 and	Illustrat			Notes	thinking	Prima
				Mr. Kibikyo has Shs 42,000. How	ions			and		ry
				much money do they have				coins	Critical	four
				altogether?	Explan				thinking	mathe
				Shs 35,500	ation					matics
				+ Shs 42,000					Values	syllab
				Shs 77,500	Questio				Accuracy	us
				3113 77,500	n and				Fluency	book
	5			With regrouping	answer		Adding			page
	3			Examples	uns II on	Adds whole	whole			5-9
				a) Add; 34567 + 23598		numbers with	numbers			and
				a) Add, 34307 + 23396		re-grouping	with re-			18
				ттн тн н т о		re-grouping				10
				3 4 5 6 7			grouping			
				5 8 1 5 6						
				+2 3 5 8 9 5 8 1 5 6 11 15 16						
				11 13 10						
								l		

6	1	Subtraction of whole numbers   Examples   Without regrouping	Guided discove ry  Brain stormin g  Illustrat ions	The learner; Subtracts whole numbers without re- grouping Subtracts whole numbers with re- grouping	Subtractin g whole numbers  Subtractin g whole numbers with re-	Chalk board illustrati ons	Life Skills  Effective communic ation  Problem solving  Creative thinking  Critical	A new Mk MTC	
	2	Application (Word problem)  Mulindwa had 652 cows. He sold 155 of them to his friend Lwere. How many cows did Mulindwa remain with  H T O  56 145 12 cows  -1 5 5 cows  4 - 9 7 cows  He remained with 497 Cows.  Mixed operations on addition and subtraction	Explan ation Questio n and answer		grouping	Real objects like straws, pens, pencils	thinking  Values Accuracy Fluency	pupils boo4 Page 33-55 Prima ry four mathe matics syllab us book page 5-9	

			T	1	1	1			
		3+4-1 =						and	
		4-2+5 =						18	
		Multiplying whole numbers	Guided	The learner;				A	
6		a) By Zero: multiply 243 by 0	discove	Multiplies			Life Skills	new	
v		$= 243 \times 0$	ry	whole numbers		Chalk		Mk	
	3	= 0		by zero.		board	Effective	MTC	
		b) By 10				illustrati	communic	pupils	
		Example	Brain	Multiplies		ons	ation	boo4	
		i) Multiply 345 by 10	stormin	whole numbers				Page	
		$=345 \times 10$	g	by 10			Problem	33-55	
		= 3450	0	- 5			solving		
		ii) Multiply 749 by 10					3337339		
		749	Illustrat				Creative		
		x 10	ions		Multiplyin		thinking		
		=7490			g whole			Prima	
		Multiplying a whole number by	Explan	Multiplies	numbers		Critical	ry	
		100	ation	whole numbers	namoers		thinking	four	
		a) Multiply 34 by 100		by 100.			umming	mathe	
		$= 34 \times 100$	Questio	by 100.			Values	matics	
		= 3400	n and				Accuracy	syllab	
		b) Multiply 962 by 100	answer				Fluency	us	
		962	answer				Trucincy	book	
		x 100							
		=96200						page 5-9	
		<u>=70200</u>		Multiplies a 3				and	
				digit number				18	
		Multiplying a 3-digit number by a		by a whole				10	
	4	whole number		number					
		a) Multiply 213 by 3		number					
		213 3x3=9							
		$\frac{x}{639}$ $3x1=$ $3x2=6$							
		<u> </u>							
		Multiply 800 by 8							
		800 8x0=0	l	ĺ		1			

		<u>x 8</u> 8x0=0							
		$\frac{6400}{6400}$ 8x8=6	54						
		<b>Application</b>	Guided	The Learner;	Multiplyin	Real	Life Skills		
6		Find the cost of six similar p	ens if discove		g whole	objects			
U	_	one pen costs shs 500	ry		numbers	like	Effective		
	5	1 pen → shs 500				pens,	communic		
		6 pens → shs 500				pencils,	ation		
		X 6	Brain			rulers			
		3000	stormin				Problem		
			g				solving		
		Multiply a 3-digit number	by a 2-	Multiplies a 3-		Notes			
7		digit number		digit number		and	Creative		
	1	Example 713	Illustrat	by a 2 digit		coins	thinking		
	1	<u>x 23</u>	ions	number					
		2139					Critical		
		+1426	Explan				thinking	Α	
		16399	ation				· · · · · · · · · · · · · · · · · · ·	new	
		Division of numbers					Values	Mk	
		Example	Questio	The learner;	Dividing		Accuracy	MTC	
	2	i) Divide 16 by 4	n and	Divides a 2	whole	Chalk	Fluency	pupils	
		16÷4	answer	digit number	numbers	board	Tracticy	boo4	
		M <sub>4</sub> (4,8,12,16,20,24,28,32,30		by a 1 digit	iidiiio era	illustrati		Page	
		16 ÷4 = 4	,	number		ons		33-55	
		10.1=1		Hamber		Ons		33 33	
		П							
		055							
		_7 385						Prima	
		$\begin{vmatrix} & & & & & & & & & & & & & & & & & & &$	1					ry	
		<del>  ••</del> •• · · · · · · · · · · · · · · · ·						four	
		38						mathe	
								matics	
		<b>│</b>						manes	

		25	1	1	1	1	1	11 1	
		<u>-35</u>						syllab	
		35						us book	
		<u>-35</u>							
		<del>-55</del>						page 5-9	
								and	
7						Chalk	Life Skills	18	
'	2	D	Guided	The learner;	Dividing	board			
		Dividing a 4-digit number by 10	discove	Divides a 4	whole	illustrati	Effective		
		and by 100 a) 4300÷10	ry	digit number	numbers	ons	communic		
		$\begin{array}{c} \text{a)} & 4300-10 \\ 4300 & = 430 \end{array}$		by 10			ation		
		10 10 10 10 10 10 10 10 10 10 10 10 10 1	Brain				Problem		
		OR	stormin				solving		
		430Ø ÷1Ø	g						
		= 430	711				Creative		
			Illustrat ions				thinking		
			Explan				Critical		
			ation				thinking	A	
			ation				<u>Values</u>	new	
			Questio				Accuracy	Mk	
			n and				Fluency	MTC	
			answer					pupils	
								boo4	
								Page	
								33-55	
								Prima	
								ry four	
								mathe	
								matics	
								syllab	
								us	
								book	

									page 5-9 and 18	
7	2		A lady has 7 workers. If she pays them 52948 a day, how much does each worker get a day? 0759 7,14,21,,,28,35,42,49,56,63,70  07564 7)52948 0 1 52 49 39 35 44 42 28 28	Guided discove ry Brain stormin g Illustrat ions Explan ation Questio n and answer	A learner; Divides a digit number by a 1 digit number using Long division	Dividing whole numbers Using long division	Chalk board illustrati ons	Life Skills  Effective communic ation  Problem solving  Creative thinking  Critical thinking  Values	A new Mk MTC pupils boo4 Page 33-55	

_			T			T	ı		T =	
17		SETS	SET		Guided			Real	<u>Life Skills</u>	A
1			CONCEP	<u>Definition</u> :	discove	The learner;	Collecting	objects		new
	2		TS	A set is an collection of well	ry		real	like	Effective	Mk
	3			defined members or elements		Defines the	objects to	pens,	communic	MTC
				Naming set e.g.		term "set".	form sets	pencils,	ation	pupils
				{ Norah, Peter, Aaron, Alex, Paul,	Brain			rulers		boo4
				Night}	stormin	Names sets			Problem	Page
				A set of six names	g				solving	1-11
										Prima
				*Types of sets					Creative	ry
				-Equal sets	Illustrat				thinking	four
				-Un-equal sets	ions					mathe
				-Equivalent sets		Identifies	Forming		Critical	matics
				-Non equivalent sets	Explan	different types	various		thinking	syllab
				-Empty sets or Null sets	ation	of sets	sets			us
				-Intersection sets (Joint sets)			according		<u>Values</u>	book
				-Disjoint sets	Questio		to types		Accuracy	page
	4			-Union of sets	n and				Fluency	5-9
	4			-Subsets	answer					and
				Difference of sets						18
7										
1	4						Describin	Real		
	-			P			g shaded	objects		
				<i>( (  / </i> / <sub>x</sub>			regions of	like		
							Venn	pens,		
							diagrams	pencils,		
								rulers		
				PnB						
				Application of venn diagrams						
	5			K		The learner;	T1			
	5			i) 1,5/3 6		Applies set	Identifyin			
				$\begin{pmatrix} 1, 3 & 3 & 6 \\ 4 & 4 & 4 \end{pmatrix}$		concepts	g			
							members			
							in a			A
							required			new

		 			1			1
					set or their			Mk
		a) How many members are in set	Guided		number			MTC
		K?	discove				Life Skills	pupils
		b) How many members are in set	ry					boo4
		K∩T?	,				Effective	Page
		c) Write down the members in set	Brain				communic	1-11
		(K-T)	stormin				ation	1 11
		d) Write down the members of	g				ution	
		KUT	5				Problem	
		KUI	Illustrat				solving	Prima
			ions				sorving	
			10118				Creative	ry four
			F1					
			Explan				thinking	mathe
			ation				G ::: 1	matics
							Critical	syllab
			Questio				thinking	us
			n and					book
			answer				<u>Values</u>	page
							Accuracy	5-9
							Fluency	and
								18
						Chalk		
8		Showing sets on the Venn				board		
0	1	<u>diagram</u>				illustrati		
				The learner;		ons		
		(2). Given the sets $A = \{3, 6, 9, 1, \dots \}$		Applies set	Putting			
				concepts	elements			
		7} and B = $\{2,4,6,8,0\}$		•	on a Venn			
		Draw a Venn diagram and show			diagram			
		the two sets						A
								new
		B A						Mk
								MTC
		20 / 33						

										pupils boo4	
										Page	
										1-11	
										1 11	
										Prima	
										ry	
										four	
										mathe	
										matics	
										syllab	
										us	
										book	
										page	
										5-9	
										and	
										18	
8		NUMERA		TYPES OF NUMBERS	Guided		Counting	Real	<u>Life Skills</u>		
		CY		a) Whole numbers	discove	The learner;	real	objects		A	
	2			b) Counting numbers	ry	T.1	objects	like	Effective	new	
				c) Even numbers	ъ .	Identifies	according	pens,	communic	Mk	
			N N	d) Odd numbers	Brain	different types of numbers	to a type	pencils,	ation	MTC	
			Y S	e) Prime numbers	stormin	of numbers	of number	rulers,	D 1.1	pupils	
			S S	f) Composite numbers	g			straws	Problem	boo4	
			ER	Finding the most number in the	Tilatmat	Tutamanta and		and books	solving	Page 56-66	
			II	Finding the next number in the	Illustrat ions	Interprets and fills number		DOOKS	Creative	20-00	
			PA E	sequence Examples	IOHS		Interpretin		thinking	Prima	
			NUMBER PATTERNS AND SEQUENCE	a) 3, 4, 6,9,13,18	Explan	sequences	g number		umiking	ry	
			BE JEJ	b) 100, 90, 80,70,60,50	ation		sequences		Critical	four	
			ΜŽ	c) 2,4,6,8,10,12,14	ation		sequences		thinking	mathe	
			N S	2, 2, 1,0,0,10,12,1 1					umiking	matics	

				Questio				Values	syllab	
				n and				Accuracy	us	
				answer				Fluency	book	
									page	
									5-9	
									and	
									18	
8			MULTIPLES OF NUMBERS	Guided						
U			Multiples are numbers got after	discove	The learner;	Reciting		Life Skills	A	
	3		multiplying a given number e.g. M <sub>5</sub>	ry		multiplicat	Multipli		new	
			5x1=5 5x2=10 5x3=15	•	Finds multiples	ion tables	cation	Effective	Mk	
			5x4=20 5x5=25  5x6=30	Brain	of numbers		tables	communic	MTC	
			$M_5 = \{5,10,15,20,25,30,35,40\}$	stormin				ation	pupils	
				g					boo4	
			Lowest common multiple	C	Finds lowest			Problem	Page	
			(L.C.M) of numbers	Illustrat	common	Finding		solving	56-66	
			Example	ions	multiples of	common				
			Find the LCM of 4 and 6		numbers	multiples		Creative	Prima	
				Explan		and the		thinking	ry	
			$M4 = \{4,8, \binom{1}{1}, 16,20, \binom{2}{2}, $	ation		lowest		8	four	
								Critical	mathe	
			28}	Ouestio				thinking	matics	
				n and				l minning	syllab	
				answer				Values	us	
				ans wer				Accuracy	book	
			$M6 = \{6, \begin{pmatrix} 1 \end{pmatrix}, 18, \begin{pmatrix} 2 \end{pmatrix} \}$					Fluency		
								Trucincy	page 5-9	
			,30,36,42}						and	
									18	
									10	
			Common multiples are {12,24}							
			$L.C.M = \underline{12}$							
	4		F 4 6 1		TD1 1	E: 1:				
			<u>Factors of numbers</u>		The learner;	Finding				
						factors of		1		

			Any pair of numbers which can be		Finds factors	numbers				
			multiplied to give a multiple are		of numbers	by				
			called factors of that multiple			multiplyin				
			Example			g or				
			$2 \times 3 = 6$			dividing.				
			2 and 3 are factors of 6							
			$\begin{array}{c} 1 \text{ x } 6 = 6 \\ 1 \text{ and } 6 \text{ are multiples of } 6 \end{array}$							
			$F_6 = \{1,2,3,6\}$							
			10 6,2,5,0							
8			Finding the greatest common	Guided					A	
U			factor (G.C.F)	discove	Finds the	Finding			new	
	5		Find the G.C.F of 6 and 8	ry	greatest	common	Chalk	<u>Life Skills</u>	Mk	
	3		$F_6 1x6 = 6$	ъ .	common	factors	board	Tice .:	MTC	
			$F_6 = \{ \begin{pmatrix} 2x3 - 6 \\ 1 \end{pmatrix} \begin{pmatrix} 2 \\ 2 \end{pmatrix}  3, \ 6 \}$	Brain stormin	factors of numbers	and the greatest	illustrati ons	Effective communic	pupils boo4	
			$F_6 = \{ \begin{pmatrix} 1 \\ 2 \end{pmatrix}, 3, 6 \}$	g	numbers	greatest	Olls	ation	Page	
			$F_8 = 1x8 = 8$	5				ution	56-66	
			2x4 = 8	Illustrat				Problem		
				ions				solving	Prima	
			$F_8 = \{ (1), (2), (4,8) \}$						ry	
				Explan				Creative	four	
			Common factors are {1,2} GC.F = 2	ation				thinking	mathe matics	
			GC.F = 2   AND L.C.F = 1	Questio				Critical	syllab	
			AND E.C.I = I	n and				thinking	us	
			The magic box / Table	answer					book	
			.Even +Even					Values	page	
			Odd + Odd					Accuracy	5-9	
			Odd +Even					Fluency	and	
			+ 0 2 4 6 8						18	
			0 0 2 4 6 8							

			2     2     4     6     8     10       4     4     6     6     8       8     8     10     12     14     16							
9	ALGEBRA	ALGEBRA	Collecting like terms involving addition  Example 1  4pens + 3 pens +2 pens +4 pens 4p +3p+2p +4p = 13 pens 4p+ 3p+2p +4p = 13 p = 13pens  Collecting like terms involving subtraction 12 nets - 2nets 12n- 2n 10nets  Collecting like terms and unlike terms Example 1 3 hens +2 rabbits +2 hens +5 rabbits	Guided discove ry  Brain stormin g  Illustrat ions  Explan ation  Question and answer	The learner; Collects like terms  The learner; Collects like and unlike terms	Collecting like terms	Real objects like pens, pencils, rulers, straws and books	Life Skills  Effective communic ation  Problem solving  Creative thinking  Critical thinking  Values  Accuracy Fluency	A new Mk MTC pupils boo4 Page 186-196 Prima ry four mathe matics syllab us book page 5-9 and 18	

		3h + 2r + 2h + 5r				
		3h+2h+2r+ 5r				
		5h +7r				
		= 5hens +7 rabbits				

			0 11 1		G 11				_
9		Application of collecting like	Guided	TTI 1	Collecting			A	
		terms	discove	The learner;	like and	Das1	T :C. C1.:11	new	
2		Miiro had 2 mangoes and 3	ry	Collects like and unlike	unlike terms	Real objects	Life Skills	Mk MTC	
			Brain	terms	WIIIS	like	Effective	pupils	
		bananas while Nabiryo had 1	stormin	CITIES		pens,	communic	boo4	
		mango and 4 bananas. How many	g			pencils,	ation	Page	
		mangoes and how many bananas				rulers,		186-	
		•	Illustrat			straws	Problem	196	
		did they have altogether?	ions			and	solving	ъ.	
		2 mangoes + 3 bananas +1 mango	Explan			books	Creative	Prima	
		+4 bananas	ation				thinking	ry four	
			ution				umiking	mathe	
		2m +1m+3b+4b	Questio				Critical	matics	
		3m+7b = 3mangoes + 7bananas	n and				thinking	syllab	
	-	Solving equations	answr			<i>α</i> , ,,	** .	us	
3				The learner;		Chalk	Values	book	
		Example 1		solves		board illustrati	Accuracy Fluency	page 5-9	
		X + 3 = 7		equations		ons	Tuchey	and	
		x + 3 - 3 = 7 - 3				3		18	
		X+0 = 4							
		X = 4							
	_	[							
		<b>Application</b>							
4		Nyenje bought a ruler and a pencil,							
						Chalk			
		together he paid sh 900. If the price				board			
		of the ruler was shs 500 what was				illustrati			
		the price of pencil?				ons			
		X + 500 = 900							
		A   500 - 500							
		For m	ore schem	es of work, visit <b>wu</b>	w.uaanda ma	idnath.com			
		10111	iore serietti	CO OT WOTE, VISIT WW	ugunuu.iii	putilicolli			
		ı			l	1	1	l	

		X + 500 - 500	0 = 900 - 500				
		X+0	= 400				
		X	= shs 400				

9		Simplifying equations	Guided					A	
7		a) $2k = 6$ what is k	discove		Simplifyin	Chalk		new	
	5		ry	The learner;	g and	board	Life Skills	Mk	
		<u><b>½</b>k</u> = <u>∕6</u>		simplifies and	solving	illustrati		MTC	
			Brain	solves	equations	ons	Effective	pupils	
		· · · · · · · · · · · · · · · · · · ·	stormin	equations			communic	boo4	
		K= 3	g				ation	Page	
								186-	
			Illustrat				Problem	196	
		b) Y x 6 = 24	ions				solving		
		<u>6y</u> = <u>24</u>						Prima	
			Explan				Creative	ry	
		6 6	ation				thinking	four	
		Y = 4			Simplifyin			mathe	
			Questio		g and		Critical	matics	
		$\begin{array}{ccc} c) & \underline{e} & = 3 \\ \hline 6 & \end{array}$	n and		solving		thinking	syllab	
			answer		equations		X 7 1	us	
		$\frac{\mathbf{e}}{\mathscr{S}} \times \mathscr{S} = 3x6$					<u>Values</u>	book	
		/S					Accuracy	page	
		e = 18					Fluency	5-9	
								and	
								18	