

P.4 MATHEMATICAL THIRD TERM SCHEME OF WORK

<u>Learning outcome: The learners recognizes, describes and use money in buying and selling.</u>

7	1 P	Т	TOPI	COMPETE	ENCES	CONTENT	INDICAT	METHO	ACTI	RES	REM
I	D	Н	C				ION OF	DS	VITY	OUC	
		E					LIFE			ES	
		M					SKILLS				
		E		subject	languaga		AND				
				subject	language		VALUES				
1	. 1	ME AS	Mone	identifies	describes	Revision of P.3 work about	Creative	Discover	Tell	Class	
		UR EM	y	coins and	different	money	thinking	y	the	room	
		EN		notes	coins and				prices	shop	
		Т			notes		taking	Demonst			
					tells the		decision	ration			
					price of the						
					commoditi						
					es						
	2		Additi	adds	reads units	Addition of money	Problem	Explanat	Addin	Mk	
			on of	money in		Example	solving	ion	g	2000	
				shilling		Add sh. 170 + sh. 250				Bk 4	

		mone	-adds	writes the	Sh. 170		Discussi	mone		
		у	correctly	correct	+Sh. 250		on	у		
			arranges	units	Sh. 420					
			figures	reads						
				statements						
:	3	Subtr	subtracts	reads the	Subtraction of money			Subtr	Chalk	Page
		action	money in	statements	Examples			actio	boar	150
		of	shillings	interprets	How much change will you get			n of	d	
		mone	subtracts	the	from a thousand shillings note if			mone	illust	
		у	correctly	statements	you spend sh. 350?			у	ratio	
			arranges	writes the					n	
			figures	correct	Shs 1000					
				units	- <u>shs 350</u>					
					<u>Shs 650</u>					
4	4	Multi	multiplies	reads the	Multiplication of money.	Logical		Multi		Page
		plicati	money	statements	Example	thinking		plicat		151
		on of	-arranges	interprets	Multiply sh 896			ion of		
		mone	figures in	the	<u>X 6</u>			mone		
		У	vertical	statements	Shs. <u>5376</u>			У		
			order	writes the	Find the cost of 3 loaves of					
				correct	bread					
				units	1 loaf costs sh 2700					
					3 loaves cost sh 2700					
					<u>X 3</u>					
					Sh.					
					8100					
	5	Divisi	-divides	-reads the	Division of money	Problem	Observat	Divisi	Text	The
		on of	money in	statements	Divide 720÷4	solving	ion	on of	book	win
		mone	words		180			mone	S	ner
		У			4 720			У		p.4

	1		T	T		I n		-	
		-arranges	-interprets	1x4 4	Logical	Discussi		Exerc	page
		figures	the	32	thinking	on		ise	41
		properly	statements	8 x 4 <u>32</u>					
		-divides	writes the	0	Problem			Chalk	Mk
		money	correct	0x4	solving			boar	
		using long	units	1200 ÷ 3	_			d	Bk 4
		division						illust	Page
				400				ratio	153
				3 1200				n	
				4x3 <u>12</u>					
				0					
				0					
				$0x3 \overline{0}$					
				Word problems					
				Example					
				Share 1,400 stick of chalk among					
				7 classes					
				How many sticks of chalk will					
				each class get					
				200 /					
				200/=					
				7 1400/=					
				2 x 7 <u>14</u>					
				0					
				<u>0</u>					
				0					
6	Mone	finds the	-reads	Items and their costs			Buyin	Real	
	у	total	statements				g and	items	
		expenditur	-interprets	How much does Tom pay for 2			sellin		
		e	statements	cups			g		

		-completes the shopping		1 cup costs 500/= 2 cups cost 500 x 2 = 1000/=			Class room shop s	
7	Shopp ing bills	-finds the total expenditur e -completes the shopping		Shopping bills Copy and complete Thave Sh 500 book Sh 500 for Sh 250 Sh 150 Sh 1000 A pen 300 Shs 700				
1 a n d 2	Findin g profit	-finds the profit -identifies the selling price and cost price	-defines profit -reads key words	Profit on Money Example Abdul bought a shirt at sh 1000. He sold it at sh 1200. What was his profit? Profit = selling price – buying price Selling price sh 1200 Buying price sh 1000 Profit shs 200		Finding profis on money	t	Mk Mat hs boo k 4 page 156
3	MONT HS WEEK S AND DAYS	identifies days of the week -identify weeks and days	reads names of days and weeks -uses names of the week to	Remember 7 days make a week 4 weeks make a month 12 month make a year 365/366 days make a year What happens on 3 rd June? 3 rd June is martyrs day Which date is independence?	Effective communi cation	Telling the giver time	clock	

г	-			Ι ,		1		l		<u> </u>
				make	Independence is on 9th October				clock	
				sentences	What happens on 8th march				face	
					8 th march is women's day.					
					-leap year has Feb – 29 days					
					Ordinary year had Feb – 28days					
					Tell the time on the clock face					
					The time is 2:00o'clock					
					60 sec = 1 minute					
		Tellin			60 minutes = 1 hour					
		g time			24 hours = 1 day					
		show			7 days = 1 week					
		n on			14 days = 1 fortnight					
		clock			4 weeks = 1 month					Page
		face			12 months = 1 year					141
F	4	Show	-use	-tells time	Drawing clock faces	Effective	Discussi	Drawi	Chalk	The
	1	the	different	in local and	Represents 9:00oclock on the	communi	on	ng	boar	win
		time	types of	English	clock face below	cation	011	clock	d	ner
		on the	clocks to	language	Hour hand pointing at 9 minutes	cation	Observat	faces	illust	page
		clock	tell time	language	hand points at 12		ion	and	ratio	149
		face	-draws		Use of past		1011	repre	n	147
		lace	clock face		ose of past			senti	11	
			CIOCK lace		It is9:00 o'clock					
					10 15 9.00 0 Clock			ng		
F	5	Tellin	-uses the	-tell time in	When the minute hand moves	Observat	Explanat	Tellin		The
	٦		word past	words	from 12 to 6 we use past, past	ion	ion			win
		g time	and to	worus	means past the previous. When	1011	1011	g time		
		ume	and to		means past the previous, when					ner
L				1		1		using	1	

		in	-draws	-reads and	the minute hand moves past			"to"		page
		words	clock faces	interprets	6/30 min, we use "to"			and		148
				time				past		
								60t"		
								Tellin		
								g		
								time		
								in		
								word		
								S		
	6	Chang	-changes	-reads	Relating hours to minutes					Page
		ing	hours to	hours and	1 hour = 60 min					149
		hours	minutes	minutes	2hrs =60 x 2					
		into	-multiplies	-writes	= 120mins					
		minut	correctly	hours in	Change 3½ hours					
		es		minutes	1 hr = 60mins 180min 3hrs = $(3 \times 60) + \frac{1}{2}$ hrs = $\frac{1}{3}$ $\frac{+20min}{}$					
-	7	Minut	changes	-reads	Conversion of minutes to hours	Critical	Explanat	Chan	Chalk	The
	'	es to	minutes to	hours and	Change 180 minutes to hours	thinking	ion	ging	boar	win
		hours	hours	minutes	60 min = 1 hour	tiiiikiiig	1011	minut	d	ner
		nours	-relates	-writes	180min = (180÷60)hr	Problem	Discussi	es to	illust	bk 4
			minutes to	hours and	_3 method 2	solving	on	hours	ratio	page
			hours	minutes	60 180 60 min = 1 hr	JOIVING	OII	nours	n	149
			-applies	innaces	$\frac{180}{100} \qquad 1 \text{ min} = 1 \text{ min}$		Question		11	117
			division		000 60 min		and			
			417151011		=3 hours 3		answer			
					180 min = 1hr x 180 min		unovver			
					60-min					
					0 0					
					=(1 x 3)hrs					

					=3 hrs				
3	1	Addin g time	-adds time without regrouping -arranges hours and minutes correctly	- pronounce s the key words correctly -writes hours and minutes correctly	Adding time in hours and minutes Add Hrs Min Hrs Min 7 20 4 25 +2 15 5 15 9 35 +3 05 - 12 45 = 1hr = 60 min	Explanat ion Observat ion	g time	Chalk boar d illust ratio n	Mk Mtc Bk4 page 165

	1	T	1	T	T	T	1	1	, ,
2	Word	-adds time	-reads	Addition of time in words	Effective	Explanat		Text	Pg
	probl	in words	statements	A taxi driver tok 2 hrs 40	communi	ion	ng	book	167
	em	-arranges	-interprets	minutes to driver from Kampala	cation		and		
		hours and	statements	to Masaka and 1 hour 45			comp	Chalk	
		minutes	-writes	minutes from Masaka to Kabale.		Problem	rehen	boar	
			hours and	How much time did he take	Problem	solving	ding	d	
			minutes	altogether?	solving		state	illust	
				Hrs Min 1hr = 60min	_		ment	ratio	
				2 40 1			S	n	
				<u>+1 45</u> <u>60</u> 85					
				<u>4 25</u> - <u>60</u>			Addin		
				85 <u>25</u>			g		
							time		
							in		
							word		
							probl		
							ems		
3	Subtr	-subtract	reads	Subtraction of time	Critical	Discussi	Subtr		Mk
	action	time	statements	Example	thinking	on	acting		Pri
	of	without	-interprets	Subtracts			time		Mtc
	time	regrouping	statements	Hrs Min Hrs Min	Problem	Explanat	in		Bk 4
	time	-changes	-writes	9 50 14 30	solving	ion	hours		page
	Subtr	hours to	hours and	<u>-2 20</u> - <u>6 15</u>	Joiving	1011	and		168
	action	minutes	minutes	<u>7 3 8 15</u>			minut		100
	of	innaces	immates	Hrs Min 1 hr = 60 min			es		
	time			8 00			C3		
	with			- <u>5 35</u> -60					
				2 25 35					
	regro			25					
	uping								
 	1	1	1		1		1		

4	Word	-subtracts	reads	Subtraction of time	Critical	Explanat		Chalk	MK
	probl	time in	statements	Example	thinking	ion		boar	Mat
	em	word	-interprets	Bamwine took 3 hours 25	tillikilig	1011		d	hs
	CIII	problems	statements	minutes to move from home to	Problem	Discussi		illust	boo
		-changes	-writes	town. If hr took 1 hr 35min to	solving	on		ratio	k 4
		hours to	hours and	get a taxi for the rest of the	Solving	OH			
		minutes	minutes	journey, how much time did he				n	page 170
		iiiiiutes	iiiiiutes	1 *					-171
				spend in the taxi Hr Min					-1/1
				3 25 + 60 = 85					
				1 35 35 1 50 50					
++-	M14.		1 -	1 50 50			Multi		Mk
5	Multi	-multiplies	reads	Multiplication of time					
	plicati	time	statements	Hrs Min 1			plies		Mat
	on of	correctly	-interprets	3 25 2 5 <u>60</u> 75			time		hs
	time	-relates	statements	X 3 x 33 60			hours		Bk 4
		units used	-writes	7 15 7 5 15min			and		page
		in time	hours and				minut		170-
	5	1	minutes	5	7.00	0	es		171
6	Divisi	-divides	-reads time		Effective	Question			Mk
	on of	time	in English	Divide 9 hours 30 minutes by 3	communi	and	ng		Mat
	time	correctly	-writes	Hrs Min	cation	answer	time		hs
		-divides	time in	3 10			in		bk 4
		using long	hour and	39 30			hours		page
		division	minutes	3x3 = <u>9</u> ↓			and		172
			-interprets	1x 3 = 3			minut		
			the	= 3 hrs 10 min <u>3</u>			es		
			statements	0					
				= 3 hrs 10 min					

3	7	MEASU	Lengt h	-names units used to measure length	-reads units of length -writes	-Units used to measure length Kilometre (km) Hectometre (Hm) Decametre (Dm)	Logical thinking	Demons tration Explana tion	- Namin g units	Metre ruler -A chart	Und ersta ndin g
		MEASUREMENT		-measures length	units of length correctly	Metre (m) Decimetre (dm) Centimere (cm) Millimetre (mm) -measuring and recording measurements of given objects.	Problem solving Effective communi cation	Observation	used to meas ure length - Recor ding meas ureme nts - Measu ring object s	showi ng units of lengt h. -foot ruler	Mat hs book 4 page 158
			g outco L TEST		ner uses stan	dard measuring instruments and	converts u	nits of me	asures.		
4	1	MEASUREMENT		-relates metres and centimetres -changes metres to centimetres	-reads units of length -writes units of length correctly	-Relating metres and centimetres 1m = 100cm -changing metres to centimetres Example Change 3 metres to centimetres. 1m= 100cm 3m = 3 x 100cm = 300cm	Logical thinking Problem solving Effective communication	Explana tion Discussi on Questio n and answer	Chang ing metre s to centi metre s	metre ruler -Foot ruler - c/bo ard illust ratio ns	Mk Mat hs book 4 page 186

2 MEAS	Lengt h	-changes centimetres to metres	-reads units of length	Changing centimetres to metres Example Change 500cm to metres	Logical thinking	Explana tion Questio	Chang ing centi	Chal k board	Mk Mat hs
NEASOKEMEN I	MAGII	-divides to change centimetere	-writes units of length	$ \begin{array}{r} 100cm = 1m \\ 1cm = \underline{1m} \\ \hline 100 5 \end{array} $	Problem solving	n and answer	metre s to metre	illust ratio ns	book 4pag e
ENI		s to metres	correctly -interprets the	$500 \text{cm} = \frac{1}{100} \times \frac{500}{100}$ = 1 x 5	Effective communi cation		s		186
			statement	= 5ms					
3	MENGIIDANT	-expresses length in metres and centimeters =adds metres and centimetres	-reads units of length -writes units of length correctly	Expressing length n metres and centimetres. Example Express 120cm as metres and centimetres. 120cm=(100+20)cm = \frac{100^1}{100^1} + 20cm = 1m + 20cm	Logical thinking Problem solving Effective communi	Discussi on Guided discover y	Expre ssing length in metre s and centi metre s	c/bo ard illust ratio ns	Mk Mat hs book 4 page 187
				=1m 20cm	cation				
4	Lengt h	-adds netres and centimetres -arranges metres and sentimetres	-reads units of length -writes units of length correctly	Addition of metres and centimetres Example Add: m	Problem solving Logical thinking Effective communication	Explana tion Discussi on Questio n and answer	Addin g in metre s and centi metre s	c/bo ard illust ratio ns	Mk Mat hs book 4 page 187

5	MEASUREMENT	Lengt h	-arranges metres and centimeters correctly -adds metres and centimeters	-reads and interprets -writes units of length	Addition of metres and centimetres in word problems. Example Mugisha slashed 4m 75cm of a path. Otim slashed 3m 65cm long. What total length of the path did they slash? M c m $100/140$ 4 75 -100 4 75 -100 4 3 65 -100 140 1m = 100cm	Problem solving Logical thinking Effective communication	Explana tion Discussi on Questio n and answer	Readi ng and interp reting state ments - addin g in metre s and centi metre s	c/bo ard illust ratio ns	Mk Mat hs book 4 page 188
6	MEASUREMENT	Lengt h	-subtracts in metres and centimetres -arranges units correctly	-reads and interprets the statement -reads the key words correctly	Subtraction of metres and centimetres Subtract: 5m 20cm -2m 10cm M cm 1m = 100cm 5 20 - 2 10 3 10 Subtraction of metres and centimetres in word problems. Example Joshua had a string measuring 6m 40cm and he cut off 1m 20cm. What is the length of the string that remained? M cm 1m = 100cm 6 40 - 1 20 5 20	Problem solving Logical thinking Effective communication	Explana tion Discussi on Questio n and answer	Answe ring writte n questi ons about subtra ction in metre s and centi metre s Readi ng state ments	c/bo ard illust ratio ns	Mk Mat hs book 4 page 188 and 189

	MEASUREMENT	Lengt h	-multiplies in metres and centimeters -arranges units correctly	-reads and interprets the statement -reads the key words correctly	Multiplication of metres and centimetres Example 01 M cm 100/160 1 80 -100 X 2 3 60 160 1m = 100cm DIVISION OF METRES AND CENTIMETRES	Problem solving Logical thinking Effective communication	Explana tion Discussi on Questio n and answer	Answe ring oral and writte n questi ons about multip licatio n of metre	c/bo ard illust ratio ns	Mk Mat hs book 4 page 190
								s		
5	MEASUREMENT	Lengt h	-changes kilometres to metres -multiplies to change KM to M	-reads and interprets the statement -reads the key words correctly	Changing kilometres to metres. Example Change 7km to ms 1km = 1000m 7km = 7 x 1000m = 7000ms	Problem solving Logical thinking Effective communication	Explana tion Discussi on Questio n and answer	Chang ing kilom etres to metre s	c/bo ard illust ratio ns	Mk Mat hs book 4 page 195

2	MEASUREMENT	Lengt h	-changes kilometres to metres in word problrms	-reads and interprets the statement -writes the units correctly	-changing kilometres to metres in word problems. Example Jamillah walked 5km from Kanyanya to Kampala. What distance was this in metres? 1km = 1000m 5km = 5 x 1000m = 5000m	Logical thinking Problem solving Effective communication	Explana tion Discussi on Questio n and answer	Readi ng and interp reting state ments - Writin g kilom etres as metre s	c/bo ard illust ratio ns	Mk Mat hs book 4 page 195
3	MEASUREMENT	Lengt h	-changes metres to l=kilometre s in word problem =s	-reads and interprets statement -writes the correct units	Changing metres to kilometres Example Change 2000m to km 1000m = 1km 1m = 1Km 1000 2 2000m = 1 x 2000 1000 = 1 x 2 = 2km	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Questio n and answer	Chang ing metre s to kilom eters	c/bo ard illust ratio ns	Mk Mat hs book 4 page 192- 193

_				l .	l .	T	ı	1			
	4	×	Lengt	-changes	-reads and	Changing metres to kilometres in	Logical	Explana	-	Chal	Mk.
		E,	h	metres to	interprets	word problems	thinking	tion	Readi	kboar	Mat
		SF		kilometres	statement	Example		Discussi	ng	d	hs
		IU		in word	-writes the	A car travelled 10,000 metres.	Problem	on	and	illust	book
		RΕ		problems	correct	What distance did it cover in	solving		interp	ratio	4
		M			units	kilometers?		Questio	reting	ns	194
		MEASUREMENT				1000m = 1km	Effective	n and	state		
		T				$1m = \frac{1}{100}$	communi	answer	ments		
						100	cation		-		
						1			Chang		
						$1000m = \frac{1}{1000} \times 10000$			ing		
						1 x 10			metre		
						= 10km			s to		
									kilom		
									etres		
F	5	_	Lengt	-relates	-reads and	Addition of kilometres and	Logical	Explana	Answe	c/bo	MK
		MEASUREMENT	h	kilometres	interprets	metres	thinking	tion	ring	ard	Mat
		AS		to metres	statement	Example		Discussi	oral	illust	h
		υŝ		-adds	-writes the	Add:	Problem	on	and	ratio	book
		RE		kilometers	correct	Km m 1km =1000m	solving		writte	n	4
		M		and metres	units	8 400	8	Guided	n		page
		EI		correctly		+ 2 600	Effective	discover	questi		196-
		T				11 000	communi	y	ons		197
						1000	cation		about		
									additi		
									on of		
									kilom		
									eters		
									and		
									metre		
									s.		
				i e	i e	1			~•	1	

MEASUREMENT 6	Lengt h	-adds kilometres and metres in word problems	-reads and interprets statement -writes the correct unit	Addition of long distances Example It is 4km 250m from Bwaise to Mpererwe and 5km 650m from Mpererwe to Gayaza. Find the distance from Bwaise to Gayaza. Km m 4 250 + 5 650 9 900	Logical thinking Problem solving Effective communication	Explana tion Discussi on Guided discover y	Addin g in kilom eters and metre s in word proble ms.	c/bo ard illust ratio ns	Mk Mat hs book 4 page 196- 197
MEASUREMENT 7	Lengt h	-work out numbers involving subtraction in kilometres and metres- arranges units correctly	-reads and interprets statement -writes the correct unit	Subtraction in kilometers and metres Example Subtract: Km m 7 400 -2 100 5 300	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Guided discover y	Subtr acting in kilom eters and metre s	c/bo ard illust ratio ns	MK Mat hs book 4 page 198

				T	1	1	ı	1	1	
6 1		Lengt	-subtracts	-reads and	Subtracting kilometres and	Logical	Explana	-	c/bo	Mk
	E	h	kilometres	interprets	metres in word problems.	thinking	tion	Readi	ard	Mat
	AS.		and metres	statements	Examples		Discussi	ng	illust	hs
	Ğ		in word	-writes the	i) A man travelled a distance of	Problem	on	and	ratio	book
	1 22		problems	units	28km 400m by bus. If he	solving		interp	ns	4
	Ĭ		-arranges	correctly	travelled 7km 250m on foot,		Questio	reting		page
	MEASUREMENT		km and m		what distance did he travel by	Effective	n and	state		s
	1		correctly		bus?	communi	answer	ments		198-
					Km m	cation				199
					28 400 1km = 1000m			_		
					7 250			Answe		
					21 150			ring		
								Oral		
					ii) Subtract12km 300m from			and		
					15km 700m.			writte		
					km m			n		
					15 700 1km = 1000m			questi		
					12 300			ons		
					3 400			about		
								subtra		
								ction		
								of		
								kilom		
								eters		
								and		
								metre		
								s in		
								word		
								proble		
								ms		
					1					

						•	1	1	•	,
	2 >	Lengt	-multiplies	-reads and	Multiplication of long distances	Logical	Explana	Multip	c/bo	Mk
	臣	h	long	interprets	Examples	thinking	tion	lying	ard	Mat
	As		distances	statements	Multiply <u>1km</u>		Discussi	of	illust	hs
	Ğ		in	-writes the	1) km m 1000/1050	Problem	on	long	ratio	Boo
	곱		kilometres	units	8 350 ' <u>1000</u>	solving		distan	ns	k 4
	MEASUREMENT		and metres	correctly	<u>X 3</u> 50m		Guided	ces in		page
	E				25 50	Effective	discover	kilom		200
	T				1050 3	communi	y	etres		
					2) km m 10003480	cation	3	and		
					35 580 - 3000	0441011		metre		
					X 6 480			S		
					213 480					
					3480 1km = 1000m					
	3 >	Lengt	-divides	-reads and	Division of long distances	Logical	Explana	Dividi	c/bo	Mk
	MEASUREMENT	h	long	interprets	Example	thinking	tion	ng	ard	Mat
	Ä		distances	statements	i)Divide 25km 40m by 4km		Discussi	long	illust	h
	DSC		in	-writes	6 260	Problem	on	distan	ratio	book
	R		kilometres	units	$4\sqrt{25}$ 40	solving		ces in	ns	4
	M		and metres	correctly	- 24		Ouestio	kilom		page
			-arranges	-spells the	1km	Effective	n and	eters		201
	T		units	key words	111111	communi	answer	and		
			correctly	correctly	1km=1000m <u>266</u>	cation	d110 11 01	metre		
					+ 40 m + 4/1040			S		
					1040 <u>- 8</u> 24					
					<u>24</u>					
					0					
					<u>0</u>					
					<u>-</u>					
					=6km 260m					
ш			l .	ı	JIIII 200III	1	l .		1	

4	MEASUREMENT	Perim eter	-finds the perimeter of rectangles -applies properties of rectangle in finding perimeter	-reads and interprets statements -writes units correctly -spells the key words correctly	*Definition of perimeter -Perimeter is the total distance round of a given figure. *How to find perimeter -add all sides of a given rectangle *Finding perimeter of a rectangle. Example Find the perimeter of the figure below.	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Guided discover y	defini ng perim eter findin g perim eter of rectan gles	A chart showing a rectangle and its properties c/bo ard illust rations	
5			-finds the perimeter of rectangles -applies properties of rectangle in finding perimeter	-reads and interprets statements -writes units correctly -spells the key words correctly	9cm P = add all sides = L+ W+L + W = 9cm + 6cm + 9cm + 6cm = 15cm + 15cm = 30cm				110	

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6	MEASUREMENT	Perim eter	-finds the perimeter of a square -applies properties of a square	-reads and interprets statements -writes units correctly -spells the key words correctly	Finding perimeter of a square Example Find the perimeter 5dm P= Add all sides = S+S+S+S = 5dm+5dm+5dm+5dm = 10dm+10dm = 20dm	Logical thinking Problem Solving Effective communication	Demons tration Observation Explanation Question and answer	Findin g perim eter of a squar e	A chart showi ng a squar e and its prope rties	
7	MEASUREMENT	Perim eter	-finds the perimeter of a triangle -applies the properties of a triangle	-writes units	Finding perimeter of a triangle. Example Find the perimeter of: i) 7cm 5cm 6cm ii) 12cm 10cm	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Guided discover y	Findin g perim eter of differe nt types of triangl es	A chart showing differ ent types of trian gles	

MEASUREMENT	Perim eter	-finds the perimeter of irregular shapes -finds the missing sides by using the given sides	-reads the units used. -writes the units correctly	Find perimeter of irregular shapes Example Find the perimeter of the shapes pelow. 4cm Find the perimeter of the shapes pelow. 4cm Effect comm cation 4cm 4cm 4cm 2e add all sides 8cm+4cm+4cm+3cm+4cm+7cm 12cm+7cm+11cm 19cm+11cm 30cm	king tion Discussi on ng Guided tive discover muni y	Findin g perim eter of irregul ar shape s.	A chart showing irreg ular shap es
MEASUREMENT	Area	-identifies the drawn shapeidentifies the length and width of the rectangle -multiplies the length and width and withes units correctly	-reads the units used. -writes the units correctly	Definition of area. Area is the measurement of the surface. It is measured in square units. Finding area of a rectangle. Example Sind the area of: Scm A= Lx W = 8cm x 5cm = 40cm ² Logic: think Logic: think Exhibit the surface. Proble solving cation	king tion Discussi on ng Guided tive discover muni y	- Defini ng area - Findin g area of given rectan gles	c/bo ard illust ratio ns

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3	MEASUREMENT	Area	-identifies the shapes of a square -applies the properties of a square	-reads the units used. -writes the units correctly	Finding area of a square Example Find the area of the given shape. 6dm A= S x S =6dm x 6dm = 36dm ²	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Guided discover y Questio n and answer	Findin g area of a squar e by answe ring oral and writte n questi ons	c/bo ard illust ratio ns	
4	MEASUREMENT	Area	-identifies the shapes of a square	-reads the units used. -writes the units correctly	Finding area of a triangle. Examples Find the area of these triangles i) 6cm 10cm ii) 8cm 7cm 9cm	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Guided discover y Questio n and answer	Findin g area of given triangl es	c/bo ard illust ratio ns	

=32cm ² Area of shape B = Lx W = 6cm x 5cm = 30cm ² Total Area 32 cm ² + 30 cm ² 62cm ²	MEASUREMENT	Area	-identifies the shapes of irregular shapes -multiplies the sides to find area of each shape -adds the two areas	-writes the units given -separates the shapes	Area of shape B = Lx W = 6cm x 5cm = 30cm ² Total Area 32 cm ² + 30 cm ²	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Observa tion Questio n and answer	ar shape		
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	ū				Hectolitre (HL)	Problem	tration	items		g
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	A	3	units	units	Change 5 litres to millitres		Demons	oral	illust	ndin
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	R		the litres to	units	51 = 5 x 1000ml	solving	Explana	writte	ns	Mat
	1		millilitres	correctly	= 5000ml	Johnning	tion	n	110	hs
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	MEASUREMENT	Capacity	-relates two different units -changes mililitres to litres	-reads and interprets the statement -reads the new words correctly	Changing millilitres to litres Example Change 6000 millilitres to litres 1000ml = 1L 1ml = 1L 1000 6000ml = 1 x 6000 1000 = 1 x 6 = 6L	Logical thinking Problem solving Effective communication	Observa tion Demons tration Explana tion Discussi on Questio n and answer	Writin g millilit ers as litres	c/bo ard illust ratio n	Und ersta ndin g Mat hs book 4 page 191- 192
8 1	MEASUREMENT	Capacity	-relates a litre and half litre -finds how many half litres are in a litre	-relates and reads litres -reads new words -interprets statements	Relating a litre and a half litre. Examples 1 litre= ½ L + ½ L = 2 half litres 2litres= (2+2)half litres = 4 half litres	Problem solving Logical thinking Effective communication	Demons tration Observa tion Explana tion Questio n and answer	Measu ring items in relatio n to litre and	Real objec ts c/bo ard illust ratio ns	Mk Mat hs book 4 page 223 Und ersta ndin g Mat hs bk. 4 page 189

	MEASUREMENT	Capacity	-relates a litre and quarter litres in a litre	-reads new words -spells new words -writes new words	Relating a litre and a quarter litre Examples 1litre= 1/4 L+ 1/4 L + 1/4 L + 1/4 L = 4 quarter litres 2 litres= 1/4 L + 1/4 L L+ 1/4 L+ 1/4 L 8 quarter litres	Problem solving Logical thinking Effective communication	Demons tration Observa tion Explana tion Questio n and answer	Findin g quarte r litres in given litres	Real objec ts c/bo ard illust ratio ns	A New MK Mat hs book 4 page 224 Und ersta ndin g Mat hem atics book 4 page 189
3	MEASUREMENT	Capac ity	-adds litres and half litres correctly -arranges litres and half litres correctly -changes litres to half litres	-reads new words -spells new words -writes new words	Addition of litres and half litres Example Add 1 $\frac{1}{2}$ litres+ 2 $\frac{1}{2}$ ls 1 $\frac{1}{2}$ + 2 $\frac{1}{2}$ 1+2+($\frac{1}{2}$ + $\frac{1}{2}$) 1+2+2/2 1+1 2 =4litres = $\frac{2}{2}$ = 1	Problem solving Logical thinking Effective communication	Demons tration Observa tion Explana tion Questio n and answer	Addin g litres and half litres	Real objec ts c/bo ard illust ratio ns	A New Mk Mat hs book 4 page 224- 225

4	MEASUREMENT	Capacity	-adds litres and militres -relates mililitres and litres	-reads and interprets the statement	Addition of litres and millilitres Example Add: 1 ml 1 litre = 1000ml 5 300 +2 500 7 800	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Questio n and answer	Addin g litres in millilit ers	c/bo ard illust ratio n	A New Mk Mat hspa ge 227
113	MEASUREMENT	Capac	-reads and interprets statements -adds litres correctly -arranges litres in their	-reads and interprets statements -spells new words	Addition of litres in word problems Example 1.A certain home uses 95 litres of water in the morning and 87 litres in the afternoon. How much water is used in a day? Morning - 95 litres Afternoon-+87 litres In a day 182 litres	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Questio n and answer	Readi ng and interp reting state ments - addin g litres correc tly	c/bo ard illust ratio ns	A New Mk Mat hs book 4 page 225- 226

6	MEASUREMENT	Capac	-mulitiplies litres and mililitres -changes mililitres to litres by dividing	-reads and interprets statements -spells new words	Multiplication of litres and millilitres Example Multiply: L ml 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Questio n and answer	Answe ring oral and writte n questi ons about multip licatio n of litres and millilit ers	Chal kboar d illust ratio ns	Und ersta ndin g Mat hem atics bk. 4 page 193- 194
	MEASUREMENT	Weigh t	-mulitiplies litres and mililitres -changes mililitres to litres by dividing	-reads and interprets statements -spells new words	-Defining weight -Units used in measuring weight Kg, Hg, Dg, G, dg, cg, mg -Items that are measured in weight	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Questio n and answer	Answe ring oral and writte n questi ons about weight	A chart showi ng units used to meas ure weigh t.	A New MK Mat hs book 4 page 228 Und ersta ndin g Mat hs bk.4 pg 195

	7	MEASUREMENT	Weigh t	-changes kilograms to grans -relates kilograms and grams	-reads and interprets statements -spells new words	Changing kilograms to grams. Example Change 3kgs to grams 1kg = 1000gms 3kgs = 3 x 1000gms = 3000gms.	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Questio n and answer	Chang ing kilogr ams to grams	c/bo ard illust ratio ns	Und ersta ndin g Mat hs book 4 page 198
9	1	MEASUREMENT	Weigh t	-changes grans to kilograms -relates grans and kilograms	-reads and interprets statements -spells new words	Changing grams to kilograms Example Change grams to kilograms Example Change 4000 grams to kilograms 1000gms = 1kg 1gm = 1 kg 1000 4 4000gms = 1 x 4000 -1000 = 4 kgs	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Questio n and answer	Chang ing grams to kilogr ams	c/bo ard illust ratio ns	Und ersta ndin g Mat hs book 4 page 199
	2	MEASUREMENT	Weigh t	-relates a kilogram and half kilograms -multiplies kilograms by a half -adds kilograms and half kilograms	-reads and interprets statements -spells new words	-Relating akilogram and a half kilogram Examples 1kg = 1000gms 500 ½ kg = ½ x 1000 = 500gms ½ kg = 500gms 1½ kg = 1k = 1000gms ½ kg = + 500gms 1½ kg = + 500gms 1½ kg = 1500gms	Logical thinking Problem solving Effective communi cation	Demons tration Observation Explanation Question and answer	Weigh ing items in kgs and grams	Weig hing mach ine	A new Mk Mat hs book 4 page 228

3	MEASUREMENT	Weigh t	-relates a kilogram and a quarter kilogram. counts number of quarters in a kilogram	-reads and interprets statements -spells new words	-Relating a kilogram and Quarter kilogram Example 1kg = 1000 gms 250 1/4 kg = 1/4 x 1000 = 250gms 1 1/4 kg 1kg = 1000gms 1/4 kg + 250gms 1250 1 1/4 kg = 1250gms	Logical thinking Problem solving Effective communi cation	Demons tration Observation Explanation Question and answer	Weigh ing items in kilogr ams and quarte r kilogr ams	Weig hing mach ine Real objec ts	A New Mk Mat hs book 4 page 228
	MEASURES	Weigh t	-arranges kilograms to grams -adds kilograms and grams -changes grans to kilograms and grama	-reads and interprets statements -spells new words	Addition of kilograms and grams Examples Work out: 1) kg gms 2 250 + 3 150 5 400 2) kg gms 4 8001 kg = 1000g + 6 500 11 300 11000/1300 - 1000 300	Logical thinking Problem solving Effective communication	Explana tion Discussi on Questio n and answer	Addin g kilogr ams and grams	c/bo ard illust ratio ns	A New Mk Mat hs book 4 Page 231

į	MEASUREMENT	Weigh t	-adds kilograms and grams -changes kilograms and grams -arranges kilograms and grans	reads and interprets statements spells new words	Addition of kilograms and grams Example Add 104kg 420gms + 187kg 350 gms	Logical thinking Problem solving Effective communication	Explana tion Discussi on Questio n and answer	Addin g kilogr ams and grams	c/bo ard illust ratio ns	A New Mk Mat hs Bk. 4 page 231
	MEASUREMENT	Weigh t	-subtracts kilograms and grans arranges kilograms and grans	-reads and interprets statements -spells new words	Addition of kilograms and grams in word problems. Example Muyenje's father weighs 53kg 550 gm and his mother weighs 46kg 850gms. Find their total weight. Kgs gms 53 550 1kg = 1000g $\frac{+46 850}{100 400}$ $\frac{1}{1000/1400}$ $\frac{-1000}{400}$	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Questio n and answer	Readi ng state ments - Addin g in kilogr ams and grams	c/bo ard illust ratio ns	A New Mk Mat hs book 4 page 232- 233
	MEASUREMENT	Weigh t	-arranges kilograms and grans properly -subtracts kilograms and grams	-reads and interprets statements -spells new words	Subtraction of kilograms and grams Example Subtract: Kg gms 1kg = 1000g 75 64 - 28 45 47 19	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Questio n and answer	Subtr acting kilogr ams and grams	c/bo ard illust ratio ns	A new Mk Mat hs book 4 page 233-234

1 1 0	MEASUREMENT	Weigh t	-arranges kilograms and grans -subtracts kilograms to grams	-reads and interprets statements -spells new words -writes new words	Subtraction of kilograms and grams in word problems. Example Nakato had 40kg 350gms of ghee. She sold 26kg 150gms. How much ghee did she remain with? Kgs gms 1kg = 1000g 40 350 - 26 150 14 200	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Questio n and answer	Readi ng state ments Answe ring oral and writte n questi ons	c/bo ard illust ratio ns	A New Mk Mat hs book 4 page 234
2	MEASUREMENT	Weigh t	-changes kilograms to grams -multiplies kilograms and grans	reads and interprets the statements -arranges kilograms and grams	Multiplication of kilograms and grams. Example. $1 \text{kg} = 1000 \text{g}$ Work out: $\frac{1}{1}$ Kg gm $1000/1080$ 32 120 $\frac{-1000}{80}$ $\frac{X}{289}$ $\frac{9}{80}$ $\frac{289}{1080}$	Logical thinking Problem solving Effective communi cation	Explana tion Discussi on Questio n and answer	Answe ring writte n questi ons	c/bo ard illust ratio ns	A new Mk Mat hs book 4 page 235

MEASUREMENT 3	Weigh	-multiplies kilograms by numbers -writes the products correctly -puts the correct units	-reads and interprets statements -arranges kilograms and multiplies	Multiplication and division of weight Examples 1)Sarah was given 6 sacks of maize. Each sack weighed 500kgs. What was the total weight of the 6 sacks? 1 sack weighed 500 6sacks weighed x 6 3000kg	Logical thinking Problem solving	Explana tion Discussi on Questio n and answer	Writin g an activit y about multip licatio n and divisio n of kilogr ams and grams	c/bo ard illust ratio ns	Und ersta ndin g Mat hs book 4 page 202
E.L.O :	THE LE	divides kilograms by whole numbers -carries out division properly	-reads and interprets statements -divides and uses other words involved in division	2.The total weight of 4 girls is 120kg. Find the weight of each girl. 30 4/120 -12/0 -0 = 30kgs MATH'S PROBLEMS IN FORM OF	EQUATION:				

į,	algebra	using letters and boxes for	The learner -reads key words -creates simple	Finds the missing numbers in the boxes -uses the	□ = 9 – 3	critical thinking -taking -decision	guided discover y question	findin g the missi ng numb	P.4 Math sylla bus	
		numb	equation	relationship		respondi	and	er	page 18	
		ers			b) k + 4 = 9	ng to	answer	using	Mk	
				addition		questions	1	letters	book	
				and subtraction	k = 5	Problem solving	explanat ion	for numb	4 page	
				Sabtraction		making	1011	ers	245	
						choice		readin		
								g and	chalk	
						evaluatin		creati	board	
						g facts appreciat		ng simple	illust ratio	
						ion		equati	n	
						-co-		ons		
						operation		witho		
								ut		
								equati		
								on		

6	subtra ction	reads and creates simple equations	-finds the missing numbers -solves simple equation with letters	a)	critical thinking -taking -decision - respondi ng to questions Problem solving making choice - evaluatin	guided discover y question and answer explanat ion	findin g the missi ng numb er using letters for numb ers	P.4 Math sylla bus page 18 Mk book 4 page 245 chalk board	
					-		ers		
					ion -co- operation			n	

_										
	7	multip	reads and	uses the	examples	critical	guided	readin	P.4	
		licatio	creates the	relationship	what is the missing number?	thinking	discover	g and	Math	
		n	simple	between		-taking	у	creati	sylla	
			equations	multiplicati	$\prod x \ 3 = 12$	-decision		ng	bus	
				on and		-	question	simple	page	
				division		respondi	and	equati	18	
					_ 3 1	ng to	answer	ons	Mk	
				finds the	□ x 1 = 4	questions		-	book	
				missing	_ = 4	Problem	explanat	dividi	4	
				numbers		solving	ion	ng	page	
						making		-	245	
						choice		answe		
						-		ring	chalk	
						evaluatin		equati	board	
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						operation				

1	2	۶٠	reads and	-uses the	a) 🗌 ÷ 2 = 8	critical	guided	answe	P.4	
1	[Ĭ.	creates the	relationship		thinking	discover	ring	Math	
	TOTSTOT	2.	simple	between	$\square = \frac{8}{1}$	-taking	у	questi	sylla	
		š	equations	multiplicati	$2 = \frac{8}{1}$	-decision		ons	bus	
				on and	$2 \times \square = 8 \times 2$	-	question	-	page	
				division	$\frac{1}{2}$ 1	respondi	and	findin	18	
				-finds the	$\square = 8x2$	ng to	answer	g the	Mk	
				missing	□ = 16	questions		missi	book	
				number		Problem	explanat	ng	4	
						solving	ion	numb	page	
						making		ers	245	
						choice		-		
						-		dividi	chalk	
						evaluatin		ng	board	
						g facts			illust	
						appreciat			ratio	
						ion			n	
						-co-				
						operation				

2	2	formin	-reads	-form	There were some eggs in the	critical	guided	formin	Mk	
		g	words	simple	nest. A bird laid 5 more eggs.	thinking	discover	g	book	
		equati	-writes	equations	Altogether there were 13 eggs.	-taking	у	equati	4	
		ons	words	-changes	How many eggs were there	-decision		ons	page	
			-creates	simple	before?	-	question	chang	257	
			simple	words	let the eggs be k	respondi	and	ing		
			equations	problems	k + 5 = 13	ng to	answer	simple		
				into simple	k + 5 - 5 = 13 - 5	questions		words		
				equations	k = 8	Problem	explanat	to		
						solving	ion	simple		
						making		equati		
						choice		ons		
						-				
						evaluatin				
						g facts				
						appreciat				
						ion				
						-co-				
						operation				

3	formin	-reads	-form	mutooli had some goats. When	critical	guided	formin	Mk	
	g	words	simple	he sold 5 of them he remainded	thinking	discover	g	book	
	equati	-writes	equations	with 9 goats. How many goats	-taking	У	equati	4	
	ons	words	-changes	had he before.	-decision		ons	page	
		-creates	simple	let the number of goats he had	-	question	chang	257	
		simple	words	befoire be c	respondi	and	ing		
		equations	problems	c - 5 = 9	ng to	answer	simple		
			into simple	c - 5 + 5 = 9 + 5	questions		words		
			equations	c= 14	Problem	explanat	to		
			_	When I multiply a number be 7, I	solving	ion	simple		
				get 35. What is the number.	making		equati		
				let the number be c	choice		ons		
				$c \times 7 = 35$	-				
				7c = 35	evaluatin				
				$\frac{7}{7}c = \frac{35}{7}$	g facts				
				7 7	appreciat				
				c = 5.	ion				
					-co-				
					operation				

	formin	rooda	-form	Natrondi had some halls, she	critical	midad	formin	N/II-	
4	ioiinin	-reads	_	Nakandi had some balls, she		guided		Mk	
	g	words	simple	divided them into 4 groups. If	thinking	discover	g	book	
	equati	-writes	equations	there were 12 balls in each	-taking	у	equati	4	
	ons	words	-changes	group, how many balls did she	-decision		ons	page	
		-creates	simple	have altogether.	-	question	chang	257	
		simple	words	let the balls be c	respondi	and	ing		
		equations	problems	$c \div 4 = 12$	ng to	answer	simple		
			into simple	$\frac{c}{4} = \frac{12}{1}$	questions		words		
			equations	4 1	Problem	explanat	to		
					solving	ion	simple		
				$4 \times c = 12 \times 4$	making		equati		
				4 1	choice		ons		
	collect			<u>c = 48</u>	-				
	ing			example	evaluatin		collect		
	like			X+X+X+X	g facts		ing		
	terms			= 4x	appreciat		like		
				y+x+2y+4x	ion		terms		
				=(y +2y) + (x + 4x)	-co-				
				= 3y + 5x	operation				

5	5	multiplies	examples	critical	guided	multip	
		collects the	what is 11 x k?	thinking	discover	lying	
		like terms	$11 \times k = 11k$	-taking	У	-	
		forms	$3 \times m = 3m$	-decision		collect	
		equations	$10 \times q = 10q$	-	question	ing	
				respondi	and	like	
				ng to	answer	terms	
				questions		-	
				Problem	explanat	answe	
				solving	ion	ring	
				making		questi	
				choice		ons	
				-			
				evaluatin			
				g facts			
				appreciat			
				ion			
				-co-			
				operation			

(ó	substi	reads	replaces	examples	critical	guided	multip	
		tution	letters	unknowns	if $x = 3$ $y = 4$ and $z = 5$	thinking	discover	lying	
			writes	with figures		-taking	у	-	
			equations	finds the	x + y + z = 3 + 4 + 5	-decision		collect	
				value of the	= 7+5	-	question	ing	
				given	= 12	respondi	and	like	
				equation	zx = zxx	ng to	answer	terms	
					5 x 3	questions		-	
					= 15	Problem	explanat	answe	
						solving	ion	ring	
						making		questi	
						choice		ons	
						-			
						evaluatin			
						g facts			
						appreciat			
						ion			
						-co-			
						operation			

7		1	:f1 C 1 1 _ 2	:4:1	:1-1	14	1	
'	reads	replaces	if $k = 6$ and $d = 3$	critical	guided	multip		
	letters	unknowns	find the value of kd = k x d	thinking	discover	lying		
	writes	with figures	$= 6 \times 3$	-taking	У	-		
	equations	finds the	= 18	-decision		collect		
		vale of the		-	question	ing		
		given		respondi	and	like		
		equation	k = 6	ng to	answer	terms		
		_	d 3	questions		-		
			d+ k -d	Problem	explanat	answe		
			= 6+ 3 - 6	solving	ion	ring		
			=9 - 6	making		questi		
			= 3	choice		ons		
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				evaluatin				
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