

MATHEMATICS SCHEME OF WORK FOR PRIMARY SIX TERM TWO

Ε	XPE	CTED L	EARI	NING OL	JTRCOME: The	e learner solv	es problems involving fractions and re	lates them to	real life si	tuations.			
١	WΡ	TH	ТО	SUB-	COMPETENC	ES	CONTENT		METHOD	ACTIVI	INS.	REF	R
	K D	EM	PI	TOPI	SUBJECT	LANGUAGE		& VALUES	IQUES	TY	MAT		Ε
		Ε	С	С									Μ
1	1 1	Ν	F	Defini	The learner:	- names	A fraction is a part of a whole.	Effective	Explan	Namin	Chalk	Mk.	
		U	R	tion of	 defines a 	and	Types of fractions	<u>communic</u>	ation	g types	board	Maths	
		М	А	а	fraction.	describes	-Proper fractions e.g. $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{4}$	ation		of	illustr	bk. 5	
		Е	С	fractio	 changes 	fractions	e.t.c.			fraction	ation	page	
		R	Т	n	mixed	- reads	-Improper fractions e.g ³ / ₂ , ⁴ / ₃ e.t.c	fluency		S	S	116	
		А	Ι		fraction to	statement	-Mixed fraction e.g 1 ³ / ₄ ,	confidence					
		С	0	Types	improper	- writes	5 ⁷ / ₉ e.t.c.	Problem	Guided	-		P.6	
		Y	Ν	of	fraction.	notes	-Decimal fractions e.g. 0.4, 1.35	solving	discus	copyin		curr.	
			S	fractio			e.t.c	taking	sion	g notes	Real	page	
				ns			-Equivalent fractions e.g $2/3 = 4/6 =$	decision			objec	162	
							⁶ / ₉ e.t.c.	making	Think,	-	ts		
				chang			Recurring fractions e.g. 0.33	choice	pair &	changi			
				ing			-Changing improper fractions to	Values	share	ng			
				impro			mixed fractions.	Co-		improp			
				per			Example.	operation		er			

	fi n n fi	ractio ns to mixed fractio ns			1.Change $\frac{9}{4}$ to a mixed fraction. Method: Divide the numerator by the denominator 2 $\frac{9}{4} = \frac{4}{9}$ -8 1 = 2 $\frac{1}{4}$	appreciatio n		fraction s to mixed fraction s		
2	C g n fi c ir fi n	Chan ging mixed ir2acti ons to mpro per iractio ns	The learner: - relates improper fractions and mixed fraction. - changes mixed fractions to improper fraction.	- reads statements - writes an activity involving changing mixed fractions to improper fractions.	Changing mixed fractions to improper fractions. Examples Change 4 $2/_3$ to improper fraction Method: $\underline{DxW+N}$ D 4 $2/_3 = \underline{3 \times 4 + 2}$ $4^{2}/_3 = \underline{3 \times 4 + 2}$ $4^{2}/_3 = \underline{12 + 2}$ $4^{2}/_3 = \underline{12 + 2}$ $4^{2}/_3 = \underline{14}$ $4^{2}/_3 = \underline{14}$ 4	Effective communic ation fluency Problem solving taking decision Values Co- operation	Explan ation Discus sion Think, pair & share	Changi ng mixed fraction s to improp er fraction s	Chalk board illustr ation s	Mk Maths book 5page 117 Primar y Six curricul um page 162
3	E s r ir fi fi	Expre ssing recurr ng fractio ns as	The learner: - identifies repeated digits - expresses recurring	- names place values of repeated figures.	Writing recurring fraction as common fractions. Example Express 0.33 as a common fraction. Let the no be y. Y= 0.33 10x y =0.33x10	Effective communic ation fluency Problem solving	Questi on and answer	Changi ng recurrin g fraction s as	Chalk board illustr ation s	Mk Maths book 6 page 138

		comm on fractio ns	fractions as common fractions	- reads the key words. - pronounce s the key words.	$10y = 3.3310y=3.33y = -0.33\underline{9y} = \underline{3}^{1}\underline{9y} = \underline{3}^{1}y = 1/3$	taking decision <u>Values</u> Co- operation		commo n fraction s in the lowest terms		(old edition) P.6 curr. pg 152,16 3,164
4	F R C T I O N S	Findin g equiv alent fractio ns	The learner: - finds the next equations fractions. - finds the H.C.F - applies the H.C.F. to reduce given fractions. - identifies common factors.	- reads statements - pronounce s the key words. - writes fractions.	Finding equivalent fractions Examples Write the next equivalent fraction in $2/_3 = 4/_6 = 6/_9 =$ 2x4 = 8 3x4 = 12 $2/_3 = 4/_6 = 6/_9 = 8/_{12}$	Effective communic ation fluency Problem solving making choice Values appreciatio n	Explan ation Discus sion Questi on and answer Market stall	Finding equival ent fraction s	Chalk board illustr ation s	Mk maths book 6 page 109 P.6 curr. page 162, 163, 164
4	1	Redu cing fractio ns	The learner: - finds the next equivalent fractions.	- reads statements - pronounce s the key words	Reducing fractions Example Reduce 8/12 to the lowest terms. $8 = 8 \div 2 = 4 \div 2 = 2$ 12 12 ÷ 2 6 ÷ 2 3	Effective communic ation confidence	Explan ation Discus sion	Finding highest commo n factors	Chalk board illustr ation s	Mk Maths book 5 page 118

				- finds the HCF - applies the HCF to reduce given fractions. identifies common factors	- writes fractions	So 2 x 2 = 4 and 4 is the HCF of 8 and 12. 8 ÷ 4 = 2 12÷ 4 3	Problem solving taking decision Values Co- operation appreciatio n	Questi on and answer Market stall	Dividin g by the highest commo n factors to reduce fraction s		Primar y Six curricul um page 162
5		F R A C T I O N S	Order ing fractio ns	The learner: - finds the lowest common multiples. - calculates the values of fractions. - arranges fratcions in both ascending and descending order	- reads statements - pronounce s the key words - writes fractions	Ordering fractions -Arranging fraction in either ascending or descending order. Example. Arrange $\frac{3}{4}$, $\frac{2}{3}$, $\frac{1}{2}$ in ascending order. $\frac{3^{x3}}{4}$, $\frac{2^{x4}}{3}$, $\frac{1^{x6}}{2}$ LCM $\frac{2}{2}$, $\frac{1}{3}$, $\frac{2}{2}$ $\frac{2}{2}$, $\frac{1}{3}$, $\frac{2}{2}$ $\frac{2}{2}$, $\frac{3}{1}$, $\frac{1}{3}$ $\frac{1}{2}$, $\frac{1}{1}$, $\frac{1}{1}$, $\frac{1}{1}$ $\frac{9}{3}$, $\frac{8}{6}$, $\frac{6}{3}$, $\frac{2x2x3}{1}$ Order: $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{4}$	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Explan ation Guided discov ery Market stall Questi on and answer	Arrangi ng fraction s in require d order.	Chalk board illustr ation s	Mk Maths book page 119 Primar y Six curricul um page 162
6	on	F R A	Oper ation on	The learner:	- reads fractions	Addition and subtraction of fractions with different denominators	Effective communic ation	Explan ation	Adding and subtrac	Chalk board illustr	Mk. Maths book 6

C fractio ns	- adds and subtracts fractions	- pronounce s the key words correctly.	Examples Simplify: $\frac{1}{2} + \frac{2}{3}$ LCM $\frac{2 2 3}{3 1 3}$ 1 1 1 x = 3 - 6	confidence <u>Problem</u> <u>solving</u> taking decision <u>Values</u> Co- operation	Guided discov ery Gallery walk Questi on and	ting fraction s with differen t denomi nators	ation s	page 106 Primar y Six curricul um page 162
			$\frac{1}{2} = \frac{3}{3}$ $\frac{1x3 + 2x2}{6} = \frac{3 + 4}{6}$ $= \frac{7}{1} \text{ 1 rem 1}$ $= 1 \frac{1}{6}$ 2. $\frac{4}{5} - \frac{1}{3}$ LCM $\frac{3 5 3}{5 5 1}$ $\frac{4x^{3}}{5} - \frac{1x^{5}}{3}$ $3x5=15$ $\frac{4x3 - 1x5}{15}$ $\frac{12 - 5}{15} = \frac{7}{15}$	appreciatio n	answer	Finding LCM Simplif ying fraction s of differen t additio n and subtrac tion		

7	7	F	Additi	The learner:	- reads	Simplifying mixed fractions in		Explan	Addina	Chalk	Mk.
		R	on	- changes	fractions	addition and subtraction.	Effective	ation	and	board	Maths
		А	and	mixed	- writes	Examples	communic		subtrac	illustr	book 6
		С	subtr	fractions to	fractions	Simplify:	ation		tina	ation	page
		Ť	action	improper		1. $1\frac{1}{2} + 3\frac{1}{4}$		Discus	mixed	S	106
		Ì	of	fractions.		$1 \times 2 + 1 + 3 \times 4 + 1$	confidence	sion	fraction	-	Primar
		0	mixed	- simplifies		$\frac{1}{2}$ $\frac{1}{4}$	Problem		S		v Six
		Ň	fractio	mixed		$3x^2 + 13x^1$	solving		•		curricul
			ns	fractions in		$\frac{1}{2}$ $\frac{1}{4}$	taking				um
				addition and			decision	Questi			page
				subtraction		3x2+13x1 LCM	Values	on and			162
						4 _2 2 4	<u>Co-</u>	answer			
						6 + 13 2 1 2	operation				
							appreciatio	Think.			
						2 x 2 =4	n	pair &			
						= 194 rem 3		share			
						41		oniaro			
						$=4\frac{3}{4}$					
						$2 4 \frac{1}{2} - 1 \frac{5}{6}$					
						$2 \times 4 + 1 - 6 \times 1 + 5$					
						4 6					
						9 ^{x3} - 11 ^{x2}					
						4 6 LCM					
						9x3 - 11x2 2 4 6					
						27-22 3 1 3					
						2 x 2 x 3					
						$= 5 4 \times 3$					

						12 =12						
2	1	F R A C T I O N	Comb ined additi on and subtr action of fractio ns	The learner: - solves fractions in word problems in addition and subtraction	 reads and interpretes statements writes notes explains the relationshi p between addition and subtraction 	Simplifying fractions with combined operations of addition and subtraction. Example Simplify: 1. $\frac{1}{2} - \frac{2}{3} + \frac{1}{5}$ $\frac{1}{2} - \frac{1}{5} - \frac{2}{3}$ LCM $\frac{(1x15)+(1x6)-(2x10)}{3} - \frac{3}{5} + \frac{1}{5} + \frac{5}{5} - \frac{2}{5} + \frac{1}{5} + \frac{5}{5} + \frac{1}{5} + \frac{5}{5} + \frac{5}{$	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Explan ation Discus sion Questi on and answer Think, pair & share	Finding lowest commo n factor - solving fraction s	Chalk board illustr ation s	Unders tanding Maths book page 108 Primar y Six curricul um page 162	
	2	F R A C T I O N S	Additi on and subtr action of fractio ns in word	The learner: - solves fractions in words problems in addition and subtraction. - adds fractions	- reads and interpretes statements - writes notes - explains the	Addition and subtraction of fractions in word problems. Examples 1. A man used three quarters of his Shamba grow cocoa, a half to grow peas and two thirds to grow coffee. Find the Total fraction of the whole land used.	Effective communic ation confidence Problem solving taking decision	Explan ation Discus sion	- Solving fraction s in word proble ms involvin g		Revisio n Maths for upper primary page 30	

	probl	- subtracts	relationshi		Values		additio	Prima	r
	ems	fractions	p between	<u>3</u> + <u>1</u> + <u>2</u> LCM	Co-		n and	y Six	
			addition		operation	Questi	subtrac	curricu	J
			and	$3^{x^3+1^{x^6+2^{x^4}}}$ 2 2 1 3	appreciatio	on and	tion	um	
			subtract.		n	answer		page	
				(3x3)+(1x6)+(2x4) 1 1 1				162	
				12 2x2x3					
				<u>9+6+8</u> 4 x 3					
				12 12		Market			
				<u>15 + 8</u>		stall			
				12					
				= 231 rem 11					
				$12^{1} = 1^{11}/_{12}$					
				2. A baby was given $\frac{3}{6}$ litres of					
				milk and drank $7/_{12}$ litres. How					
				$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					
				$\begin{vmatrix} 2^{-2} - 1^{-1} \\ -2 \\ -2 \\ -2 \\ -2 \\ -2 \\ -2 \\ -2 \\ -$					
				(5x2)(7x1) 2x2x3					
				$\frac{(3\lambda^2) - (7\lambda^1)}{12}$ 2 × 2 × 3					
				10_{-7} $\frac{-7.5}{12}$					
				12					
				= 3					
				$12 = \frac{1}{4}$					

3	F R A C T I O N S	Multip licatio n of fractio ns	The learner: - relates factors and multiples. - simplifies fractions correctly. - changes mixed fractions to improper fractions	- reads and use the key words. - writes the given fractions	-Multiplication of fractions by whole numbers. Examples 1. Simplify 1) $\frac{1}{3}$ x 12 $= \frac{1}{3^{1}}$ x 12 ^{-#} = 1 x 4 = 4 2) $\frac{3}{4}$ of 12	Effective communic ation confidence Problem solving taking decision Values Co-	Explan ation Discus sion questio n and answer think, pair 8	Multiply ing fraction s	Chalk board illustr ation s	Mk Maths book 6 page 107 Primar y Six curricul um page 162
			Tractions		$= \frac{3}{4^{1}} \times 12^{-3}$ = 3 x 3 = 9	appreciation n	share			102
	F R A C T I O N S	Multip licatio n of fractio ns			-Multiplication of fractions by fractions. Examples Simplify: 1) $\frac{1}{3} \times \frac{4}{5}$ = $\frac{1}{3} \times \frac{4}{5}$ = $\frac{4}{15}$ 2) 1 ½ x 1/3	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n		Multiply ing fraction s	Chalk board illustr ation s	Mk maths book 6 page 119- 120 Primar y Six curricul um pg 162

4	1	F	Recip	The learner:	- reads the	Reciprocals:	Effective	Explan	Finding	Chalk	Mk	
		R	rocals	- describes	keywords.	Fractions whose product is 1 are	communic	ation	recipro	board	Maths	1
		А	-	reciprocal	- writes	reciprocals.	ation		cals	illustr	book 6	I
		С	divisi	- finds	fractions	Example				ation	page	I
		Т	on of	reciprocal		Find the reciprocal of 2/3. Let the	confidence	Discus		S	111-	I
		Т	fractio	- divides		reciprocals be m.	Problem	sion	Solving		112	I
		Ι	n by	fractions		<u>2</u> x m = 1	solving		fraction			I
		0	whole			3	taking		S		Primar	ı
		Ν	numb			2m = 1	decision	Questi	involvin		y Six	ı
		S	ers.			3 1	Values 1	on and	g		curricul	I
						$\frac{3^{1}x \ 2m}{2m} = 1 \ x \ 3$	Co-	answer	division		um	I
						31	operation		of		page	I
						2m = 3	appreciatio	Market	whole		162	I
						12in = 3	n	stall	number			ı
						2.1 2			S			I
						$M = \underline{3}$						1
						2						I
						Division of fractions by whole						I
						numbers.						I
						Example						I
						Work out:						ı
						$\frac{2}{2} \div 2$						I
						3						I
						$\frac{2}{2} \div 2$						I
												I
						$\left \frac{2^{1}}{2} \times \frac{1}{2}\right = \frac{1}{2}$						I
						3 24 3						I

5		F R A C T I O N S	Divisi on of - fractio ns by fractio ns by mixed fractio ns by mixed fractio ns	The learner: - applies reciprocal in division of fractions - changes mixed fractions to improper fractions - solve fractions involving division	- reads the key words correctly. - pronounce s the key words correctly.	Division of fractions by fractions. Examples Simplify: 1. $\frac{3}{4} \div \frac{1}{2}$ 3 x 2 ⁺ $\frac{4^2}{1}$ 3 x 1 2 x 1 = $3^{1 \text{ trem 1}}$ $\frac{2^{1}}{2^{1}}$ = $1\frac{1}{2}$ 2. $2\frac{1}{2} \div 1\frac{1}{4}$ $(\frac{2 x 2) + 1}{2} \div (\frac{4 x 1) + 1}{4}$ $\frac{5}{2} \div \frac{5}{2}$ $\frac{4}{4}$ $\frac{15}{5} \times \frac{4^2}{2^{1}}$ $\frac{2^{1}}{5^{1}}$ 1x 2 1x 1= 2 1	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Explan ation Discus sion Questi on and answer Guided discov ery Brain stormi ng	Finding recipro cal Changi ng mixed fraction s to improp er fraction s Simplif ying fraction s	Chalk board illustr ation s	Mk maths book 6 112 Primar y Six curricul um page 162	
6	= 2	F R A C T	Mixed opera tions with opera	The learner: - works out the solution - finds the lowest	- reads BODMAS - describes BODMAS in	Mixed operations with fractions. -Use of BODMAS B Brackets () O of of D Division ÷	Effective communic ation	Explan ation	Simplif ying mixed operati ons	Chalk board illustr ation s	Mk Maths book 6 page 113	

	I O N S	tions (BOD MAS)	common multiples.	simplifying fractions - finds lowest common multiples	M Multiplication x A Addition + S Subtraction _ Examples Simplify: 1. $\frac{5}{6}$ - $\frac{3}{4}$ \div 1 $\frac{1}{2}$	Problem solving taking decision Values Co- operation	Discus sion Questi	with fraction s using BODM AS	Primar y Six curricul um page 162	
					$\frac{5}{6} - \frac{3}{4} + \frac{3}{2} BODMAS$ $\frac{5}{6} \left(-\frac{3}{4} + \frac{2}{3} \right)$	appreciatio n	answer Brain stormi ng			
					$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					
					$\begin{vmatrix} = 2 \\ 6 \\ = \frac{1}{3} \\ 2 \\ 3 \\ 2 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 4 \\ 5 \\ 5$					
					$\begin{bmatrix} \frac{1}{3} \times \frac{1}{2} \end{bmatrix}^{+} \begin{bmatrix} \frac{1}{4} \times \frac{1}{5} \end{bmatrix}$ $\frac{1}{4} + \frac{1}{4} LCM$					

					6 20					
7	F R A C T I O N S	Deci mals	The learner: - identifies correct place values - adds decimals up to ten thousandths - adds decimals up to ten thousandths with carrying.	- reads decimals - writes decimals - writes the given fractions	-Addition of decimals without carrying. Examples. Workout: 1) 1.5 + 0.4 = 1.5 +0.4 1.9 2. 7.04 + 1.6 = 7.04 +1.60 8.64 -Addition of decimals with carrying. Examples. Work out. 1) 1.5 + 1.6 = 1.5 +1.6 3.1	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Explan ation Illustrat ion Think, pair & share Discus sion Questi on and answer	Adding decima I with or without carryin g	Chalk board illustr ation s	Mk maths book 6 page 114 Primar y Six curricul um page 162
	F A C T I O N S		The learner: - identifies correct place values - adds decimals up to ten thousandths - adds decimals up	- reads decimals - writes decimals - writes the given fractions	Subtraction of decimals without borrowing. Examples Simplify: 1. $2.5 - 1.3 = 2.5$ $\frac{-1.3}{1.2}$ 2. $2.85 - 0.03$ = 2.085	Effective communic ation confidence Problem solving taking decision Values	Explan ation Illustrat ion Discus sion	Subtra cting decima ls with or without borrowi ng	Chalk board illustr ation s	Mk Maths book 6 page 114 Primar y Six curricul um

				to ten		-0.030	Co-	Questi			page
				thousandths		2.055	operation	on and			162
				with		-subtraction of decimals with	appreciatio	answer			
				carrying.		borrowing.	n				
						Examples		Brain			
						Simplify:		stormi			
						1. 2.8 – 0.9 = 2.18		ng			
						<u>- 0.9</u>					
						1.9					
						= 1.9					
						2. 1.45 – 0.6 = 1.45					
						<u>- 0.60</u>					
						0.85					
		_			_	= 0.85					
3	1	F	Deci	The learner:	- reads	-Addition and subtraction of	Effective	Explan	Adding	Chalk	Mk
		R	mals	- solves	instruction	decimals (consolidated)	<u>communic</u>	ation	and	board	Maths
		А		decimals	S	Examples	<u>ation</u>		subtrac	illustr	book 6
		С		with addition	- writes the	Work out		Think,	ting of	ation	page
		Т		and	given	1. 8-5.16+2.13	confidence	pair &	decima	S	115
		I		subtraction	fractions	8+2.13 -5.16	<u>Problem</u>	share	ls		
		0		- re-			<u>solving</u>	Illustrat			Primar
		Ν		arranges		8.00	taking	ion			y Six
		S		fractions		<u>+ 2.13</u>	decision	Discus			curricul
						10.13 – 5.16	<u>Values</u>	sion			um
							Co-	Questi			page
						Sw	operation	on and			162
						10.13	appreciatio	answer			
						<u>- 5.16</u>	n				

					4.97					
					= 4.97					
					2. 7-0.45+1.71					
2	F	Deci	The learner:	- reads the	Word problems involving addition	Effective	Explan	Solving	Chalk	Mk
	R	mals	- adds	statements	and subtraction of decimals.	communic	ation	decima	board	Maths
	А		decimals in	-		ation		ls in	illustr	book 6
	С		words	pronounce	Examples.			word	ation	page
	Т		- identifies	s the	1. Mary bought 4.5 litres of milk	confidence	Discus	proble	s	116
	1		place values	words	and 0.35litres got spoilt. How	Problem	sion	ms		
	0		- changes	correctly.	many litres were left?	solving		involvin		Primar
	Ν		decimals to	- writes	4.5 - 0.35	taking		g		y Six
	S		common	words.	= 4.50	decision		additio		curricul
			fractions		<u>-0.35</u>	Values	Questi	n and		um
			- multiples		4.15	Co-	on and	subtrac		page
			denominator		= 4.15litres	operation	answer	tion		162
			s and			appreciatio				
			numerators		2. In a Ludo game, Musa scored	n				
			alone.		7.5 points in the first round and 3.8					
					points in the second round. How					
					many points did he score					
					altogether?					
					1 st round - 7.5					
					2 nd round - <u>+3.8</u>					
					11.3points					
	F	Deci	The learner:	- reads the	Multiplication of decimals.	Effective	Explan	Multiply	Chalk	Mk
	R	mals	- adds	statements	Examples	<u>communic</u>	ation	ing	board	maths
	A		decimals in	-	Simplify:	ation		decima	Illustr	book 6
	C		words	pronounce	1. 0.9 x 0.5	confidence		ls	ation	page
	Т			s the	= <u>9</u> x <u>5</u>				S	118

		- identifies place values - changes decimals to common fractions - multiples denominator s and numerators alone.	words correctly. - writes words.	10 10 = 45 100 = 0.45 2. 1.32 x 2.4 $\frac{132}{100}$ x $\frac{24}{100}$ sw 100 132 $\frac{x 24}{528}$ = 3168 $\frac{+2640}{3168}$	Problem solving taking decision Values Co- operation appreciatio n	Guided discus sion Questi on and answer			Primar y Six curricul um page 162
3 F R A C T I O N S	Deci mals	The learner: - changes decimals to common fractions - finds reciprocals - change division sign to multiplicatio n sign	 reads the statements pronounce s the words correctly. writes words. 	Division of decimals Examples Simplify: 1) $8 \div 0.02$ $\frac{8}{2} \div 2$ 1 100 8×100 1 2 4 x 100 = 400 2) $0.02 \div 0.8$ Consolidation of multiplication and division of decimals Examples. Workout:	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Explan ation Guided discus sion Questi on and answer	Dividin g decima ls Simplif ying decima ls involvin g both multipli cation and division	Chalk board illustr ation s	Mk Maths book 6 page 121 Primar y Six curricul um page 162

					1. $\frac{0.7 \times 0.6}{0.3}$ (0.7 x 0.6) ÷(0.3) (7 x 6) ÷(3) 10 10 10 3 <u>7 x 6 x 10</u> <u>7 x 2</u> = <u>1.4</u> 10 10 = 1.4		Think, pair & share			
4	F R A C T I O N S	Deci mals	The learner: - solves word problems involving multiplicatio n and division of decimals.	- reads and interprets statements - writes notes	Word problems involving multiplication and division of decimals. Examples 1. The length of one side of a square is 8.75cm. Find the perimeter of the square. 8.75cm P = add all sides = 4s = 4 x 8.75 = 3500⁄ 100⁄ = 35cm 2. a parcel weighing 5.5kg contains packets of salt. How	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Explan ation Discus sion Illustrat ion Questi on and answer	Measur ing items like water - solving word proble ms involvin g Multipli cation and division	Chalk board illustr ation	Mk Maths book 6 Primar y Six curricul um page 162

					many packets of salt are in the parcel if each packet weighs 0.25 kg $5.5 \div 0.25$ $\underline{55} \div \underline{25}$ 10 100 $\underline{55} \times \underline{100}$ $10 \underline{25}$ $11 \times 2 = 22 \text{ packets}$		Market stall				
5	F R A C T I O N S	Ratio s and propo rtions	The learner: - defines ration - expresses ration as fractions - expresses quantities as ratio	- reads the key words - use the key words to make sentences. - writes ratios.	Definition of a ratio -A ratio is a comparison of quantities. Symbols used in reading and writing ratios –: - 2:3 read as 2 to three Expressing ratios as fraction Example Express 2:3 as a fraction 2:3 = 2 3 Expressing fractions as ratios Examples: 1. Express $\frac{3}{4}$ as a ratio $\frac{3}{4}$ = 3:4 2. Write 0.7 as a ratio 0.7 = 7 = 7:10 10	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Explan ation Discus sion Market stall Questi on and answer	Definin g a ratio - Readin g and writing ratios . Expres sing -ratios as fraction s - fraction s as ratios	Chalk board illustr ation s	Mk maths book 6 page 124 - 125 Unders tanding Maths book 6 page 107	

	-	Defte	T I		E	FG C		F		N AL	_
	F	Ratio	I ne learner:	- reads the	Expressing quantities as ratios	Effective	Explan	Expres	Chalk	IVIK Matha	ĺ
	ĸ	s and	- defines	key words		communic	ation	sing	board	Maths	ĺ
	A	propo	ration	- use the	1. There were 200 people at a	ation		quantiti	illustr	book 6	ĺ
	C	rtions	 expresses 	key words	party. 80 were females and the			es as	ation	page	ĺ
	Т		ration as	to make	rest were males. Find the	confidence	Discus	ratios.	S	127	ĺ
	I		fractions	sentences.	a) ratio of males to females.	Problem	sion				ĺ
	0		 expresses 	- writes	Males = 200-80	solving				Functio	ĺ
	Ν		quantities as	ratios.	=120	taking	Questi			n book	ĺ
	S		ratio		M:F	decision	on and			6 page	ĺ
					120:80	Values	answer			100	ĺ
					= <u>120</u> = 12 = 3	Co-				Primar	ĺ
					80 8 2	operation	Brain			y Six	ĺ
					=3:2	appreciatio	stormi			curricul	ĺ
					b) ratio of males to the whole	n	ng			um	ĺ
					aroup.		J			page	ĺ
					M:T					162	
					120.200						
					120.200						ĺ
					120.200						ĺ
					10 10						ĺ
					12:20 = 12						ĺ
					12.20 - 12 10 - 3.5						ĺ
 6	F	Patio	The learner	roads tho	Increasing quantities in a given	Effective	Evolan	Incrose	Chalk	Mk	-
0	ı D	a and	identifies	kov worde	rotio			ing	board	Mothe	1
	л л	S allu	- Identilies	correctly	Frampla	<u>communic</u>	alion	ny	illuotr	wattis	
	A C	hioho	rotio	conectly.	L Increase of 2000/- in the refie	ation	Discus	quanul	niusu	DUUKO	1
	С т	ruons	identifies	-	1. Increase sn. $2000/=$ in the ratio	a antida na -	DISCUS	es m	auon	page	ĺ
	1			pronounce		confidence	SION	given	S	129 Deine an	1
	1		the old ratio	s the key		Problem		ratios		Primar	1
	0				5:4	solving				y Six	1

			N S		- calculates the new quantities	words correctly.	5 x 2 000 5 00 ≩↓ 5 x 500 =shs 2500/=	taking decision <u>Values</u> Co- operation appreciatio n	Questi on and answer			curricul um page 162
	7		F R A C T I O N S	Ratio s and propo rtions	The learner: - identifies the new and old ratios. - finds the ratio increase.	- reads and comprehe nds statements - writes ratios	Finding ratio increase Example A man's salary was increased from 10,000/= to shs 12.000/= per day. In what ratio did it increase? New : old 12000:10000 12000 10000 12 ⁶ 10 ⁵ = 6 5 = 6:5	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Explan ation Discus sion Questi on and answer Brain stormi ng	Finding the ratio increas e	Chalk board illustr ation s	Mk maths book 6 page 130 Primar y Six curricul um page 162
4	1	on	F R C T I O	Ratio s and propo rtions	The learner: - identifies the new and old ratio. - decrease quantities in	- reads and interprets the statement.	Decreasing quantities in given ratios. Example 1. Decrease 4000kgs in the ratio 3:4 New : Old 3 : 4	Effective communic ation confidence <u>Problem</u> solving	Explan ation Discus sion	Decrea sing ratios in quantiti es	Chalk board illustr ation s	Mk Maths Book 6 page 131 Primar y Six

	NS		a given ration	- writes the decreased ratios	3 x 4000 ¹⁰⁰⁰ 4 ¹ 3 x 1000 3000kgs	taking decision <u>Values</u> Co- operation appreciatio n	Questi on and answer		2	curricul um page 162
2	F R A C T I O N S	Ratio s and propo rtions	The learner: - relates new and old ratios - finds the ration decrease - shares quantities in ratio	- reads statements - pronounce s words correctly. - write given works	Finding the ratio of decrease. Example The number of pupils in a class has decreased from 40 to 35. In what ratio has the number decreased? New : Old 35 : 40 35 40 7 8 = 7:8	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Explan ation Discus sion Guided discov ery Questi on and answer	Finding ratio decrea se	Chalk board illustr ation s	Mk Maths book 6 page 132 Primar y Six curricul um page 162
2	F R C T I O N	Ratio s and propo rtions	The learner: - relates new and old ratios - finds the ration decrease	- reads statements - pronounce s words correctly. - write given works	Sharing quantities in ratios. Example Share sh. 2000 in the ratio 2:3 Total ratio $(2+3 = 5)$ 1 st share 2 x 2000 ⁴⁰⁰⁻ 5 ⁻⁺ 2 x 400 = sh. 800/= 2 nd share 3 x 20 00⁴⁰⁰⁻ 5 ⁻⁺	Effective communic ation confidence <u>Problem</u> solving taking decision	Explan ation Discus sion Guided discov ery	Sharin g Quantit ies in ratios	Chalk board illustr ation s	MK Maths book 6 page 133 Primar y Six curricul

				- shares quantities in ratio		3 x 400= sh. 1200/=	Values Co- operation appreciatio n	Questi on and answer			um page 162
3	S	F R A C T I O N S	Ratio s and propo rtion	The learner: - finds the total ratio - solves word problems in ratio - carries out division	- reads and interprets statements - writes ration	Application of ratios in solving problems. Example Maria, Mariam and Mary shared 36 oranges in the ratio 1:2:3 respectively. Find the number of oranges each girl got. Total ratio (1+2+3=6) Maria got 1 x 36 ⁶ 6^{1-} 1 x 6 = 6 oranges Mariam got 2 x 36 ⁶ 6^{1-} 2 x 6 = 12 oranges Mary got $\frac{1}{3}$ x 36 ⁻¹⁸ 6^{2} T 1 x 18 = 18 oranges	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Explan ation Guided discov ery Questi on and answer	Solving word proble ms	Chalk board illustr ation s	Mk Maths book 6 page 134 Primar y Six curricul um page 162
4		F R A C T	Ratio s and propo rtions	The learner: - finds the number shared when given	- reads and interprets the statement	Finding the number shared when given ratios. Example. The ratio of males to females in a group is 2:3. If there are 20males,	Effective communic ation confidence	Explan ation Guided discov ery	Finding shared number when	Chalk board illustr ation s	Mk Maths book 6 page 135

	I O N S		ratios involving	- pronounce s the words correctly. - writes ratios	how many people are in the group? M:F 2:3 (2 + 3= 5) 20:? 2 parts represent 20 1 part represents $\frac{20}{2}$ 5 parts represent $\frac{20}{2}$ x 5 $\frac{20}{2}$ 10 x 5 = 50 people	Problem solving taking decision Values Co- operation appreciatio n	Questi on and answer Market stall	given ratios		Primar y Six curricul um page 162
	FRACTIONS	Ratio s and propo rtions	The learner: - finds the number shared when given ratios involving	- reads and interprets the statement - pronounce s the words correctly. - writes ratios	Simple proportion Examples 1. A book costs sh. 800/=. What is the cost of such books? 1 book costs sh. 800/= 6books cost sh. 800 $\frac{x \ 6}{Sh.4800/=}$ 2. 10 eggs cost sh. 6000/=. Find the cost of 1 egg. 10 eggs cost sh. 6000/= 1 egg costs sh. 6000 / 10 / Sh. 600/=	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Explan ation Guided discov ery Questi on and answer	Solving number s in simple proporti on	Chalk board illustr ation s	MK Maths book 5 page 238- 239 Primar y Six curricul um page 162
5	F R A C	Ratio s and propo rtions	The learner: - solves numbers involving	- reads and interprets	Direct proportion. Example	Effective communic ation confidence	Discus sion Explan ation	Workin g out number s	Chalk board illustr ation	Mk Maths book

	T I O N S		simple proportion. - solves numbers involving direct proportion	the statement. - writes numbers involving proportion.	4 pens cost 2000/=.What is the cost of 7 similar pens? 4 pens cost shs. 2000/= 1 pen costs shs. 2000 4 7 pens cost sh. 2000×7 $4^{1^{500}}$ 500 x 7= Shs. 3500/=	Problem solving taking decision Values Co- operation appreciatio n	Questi on and answer Brain stormi ng	involvin g direct proporti on.		page 137 Primar y Six curricul um page 162
6	F R A C T I O N	Ratio s and propo rtions	The learner: - solves numbers involving inverse proportion. - gives examples of constant proportion - relates ratios which are constant	- reads and interprets the statement - pronounce s the words correctly.	Inverse proportion Example 1. 3men can do a piece of work in 6 days. How long will 9 men take to do the same job? 3 men take 6 days 1 man takes 6 x 3 days 9 men take $6^{2x} 3^{1/2}$ 93'1/2 2 days Constant proportion It takes 5 minutes for 6 bottles of soda to get cold in a deep freezer. How long would 10 similar bottles take to get cold put in the same freezer? 6 bottles take 5 minutes 1 bottle takes 5 minutes 10bottles take 5 minutes	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Discus sion Explan ation Questi on and answer	- Workin g out number s involvin g inverse and consta nt proporti on	Chalk board illustr ation s	Mk Maths book 6 pages 138- 139 Primar y Six curricul um page 162

	7		F R A C T I O N S	Perce ntage	The learner: - expresses fractions as percentages - expresses decimals as percentages - expresses percentages as decimals.	- reads and spells percentag es - writes the symbols for percentag es	Meaning of percentage -Is a fraction whose denominator is 100. -percent means every hundred. -% is the symbol for percentages. 1) Expressing fractions as percentages. Examples Change to percentage 1) $\frac{1}{2}$ Method: Multiply by 100% = $\frac{1}{2} \times 100\%$ = $1 \times 50\%$ = 50% 2) $0.7 = 7 \times 10\%$ = $7 \times 10\%$ = 70% 2) Expressing percentages as fractions. E.g. Express 25% as a fraction 25% = 25 = 1	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Discus sion Explan ation Questi on and answer	Expres sing fraction s as percent age and vicever sa	Chalk board illustr ation s	Mk Maths book 6 page 142- 143 Primar y Six curricul um page 162	
5	1	100 4	F R C T I O	Perce ntage	The learner: - expresses ratios as percentages	- reads and spells percentag es - writes the symbols for	Expressing ratios as percentages. Example 1. Express 2:5 as a percentage. 2:5 = 2 5_{20} = 2 x 100% 5^{+}	Effective communic ation confidence Problem solving	Discus sion Explan ation	Expres sing ratios as percent age	Chalk board illustr ation s	Mk. Maths book 6 page 145	

	N S		- expresses percentages as ratios - changes percentages to decimals	percentag es.	=2 x 20% = 40% Expressing percentage as ratios. Example 1. Express 40% as a ratio. 40% = 40 $100^{//}$ = $42^{-} = 2 = 2.5$ $10^{-5} = 5$	taking decision <u>Values</u> Co- operation appreciatio n	Questi on and answer Brain stormi ng	Expres sing percent age as ratios.		Maths Revisio n handbo ok Primar y Six curricul um page 162.
	F R A C T I O N S	Perce ntage	The learner: - expresses ratios as percentages - expresses percentages as ratios - changes percentages to decimals	- reads and spells percentag es - writes the symbols for percentag es.	Changing percentages to decimals. Example 1. Express 20% as a decimal. $20\% = \frac{20}{100}$ / $= \frac{2}{10}$ = 0.2	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Discus sion Explan ation Questi on and answer			Mk. Maths book 6 144 Primar y Six curricul um page 162
2	F R A C T	Perce ntage	The learner: - finds parts of percentages	- reads and interprets statements	Finding parts of a percentage. Example 1. 80% of the class are boys. What percentage are girls? Whole class = 100%	Effective communic ation confidence	Discus sion Explan ation	Finding parts of a percent age	Chalk board illustr ation s	Mk. Maths book 6 page 146

	I O N S			- writes the symbols for percentag e	%for boys =80% %for girls = 100% - 80% = 20%	Problem solving taking decision Values Co- operation appreciatio n	Questi on and answer Think, pair & share			Primar y Six curricul um page 162
3	F R A C T I O N S	Perce ntage	The learner: - compares quantities using percentages - finds quantities equivalent	- reads and interprets the statements - writes the symbols for percentag e	Comparing quantities using percentages. Example 1. There are 20% more girls in the class. What is the percentage of a) boys? Girls boys Total (x+20)% x% 100% X + x + 20% = 100% 2x + 20% = 100% 2x + 20% = 20% 2x = 80% 2' 2' X = 40% Boys % = x = 40% Girls % = x + 20% = 40% + 20% = 60%	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Discus sion Explan ation Questi on and answer	Compa ring quantiti es using percent ages	Chalk board illustr ation s	Mk. Maths book 6 page 147 Unders tanding Mathe matics book 6 page 116

4	on	F R A C T I O N S	Perce ntage	The learner: - applies percentages in sharing.	- reads and interprets the statement. - pronounce s the key words correctly.	Finding quantities equivalent percentages. Example 1. What is 20% of sh. 2500? 20% of 2500 20% x 2500 20 x 2500 2 x 250 Sh. 500/=	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Discus sion Explan ation Questi on and answer Think, pair & share	Finding quantiti es equival ent to percent age	Chalk board illustr ation s	Mk. Maths book 6 page 150 Primar y Six curricul um page 162	
		F R A C T I O N S	Perce ntage	The learner: - applies percentages in sharing.	- reads and interprets the statement. - pronounce s the key words correctly.	 Sharing quantities using percentages Example 1. In a school of 400 pupils, 30% are boys. a) How many boys are in the school? 30% x 400 30 x 400 100 30 x 4 = 120boys. b) Find the number of girls in the school. 100% - 30 % =70% 	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Discus sion Explan ation Questi on and answer			Mk. Maths book 6 page 151 Primar y Six curricul um page 162	

					70% x 400= 70 x 400 100 7 x 40 = 280 girls					
5	F R A C T I O N S	Perce ntage	The learner: - solves equations involving percenatges	- reads and interprets the statement. - writes percentag es.	Forming and solving equations involving percentages. Example 1. 10% of a number is 40. Find the number. Let the number be y. 10% of $y = 40$ 10% x y = 40 100 x y = 40 100 1 100 x 10y = 40 x 100 10y = 40 x 100 10 y = 40 x 100 Y = 4 x 100 Y = 400	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Discus sion Explan ation Questi on and answer Market stall	Formin g and solving equatio ns involvin g percent age	Chalk board illustr ation s	Mk. Maths book 6 page 152 Primar y Six curricul um page 162
6	F R A C T I O N	Perce ntage	The learner: - relates 100% in increasing percentages - solves quantities	- reads statement - writes the statements	Percentage increase and decrease Example 1. Increase shs. 2000/= by 20%. 100% + 20% = 120% 120% x 2000 120 x 2000 100 12 x 200	Effective communic ation confidence <u>Problem</u> solving	Discus sion Explan ation	Increas ing and decrea sing quantiti es by given	Chalk board illustr ation s	MK. Maths book page 153 and 155

	S		involving percentages increase. - solve quantities involving percentage decrease.		= 2400/= 2. Decrease 3000 by 10% 100% - 10% = 90% 90% x 3000 9 x 300 90x 3000 2700 100	taking decision <u>Values</u> Co- operation appreciatio n	Questi on and answer	percent age		Primar y Six curricul um page 162
7	F R A C T I O N S	Perce ntage	The learner: - finds the percentages decrease	- reads the statements - writes the statements	Finding percentage increase. Example When 600 is increased by x%, it becomes 660. Find the value of x. New no – Old no 660 - 600 = 60 % increase = Diff x 100% Old no. = $60 \times 100\%$ 600 X = 10%	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Discus sion Explan ation Questi on and answer Brain stormi ng	Finding percent age increas e	Chalk board illustr ation s	Mk. Maths book 7 page 122 Primar y Six curricul um page 162
	F A C T I O	Perce ntage	The learner: - finds the percentages decrease	- reads the statements - writes the statements	Finding percentage decrease Example When sh. 1200/= is decreased by y%, it becomes shs. 900/=. Find the value of y. Sh. 1200 – sh. 900 = 300/=	Effective communic ation confidence <u>Problem</u> solving	Discus sion Explan ation	Finding percent age decrea se	Chalk board illustr ation	Mk Maths book 6 page 156 Primar y Six

		N S	-			800 ⁻ x 100 ^{%25} 1200 <i>A</i> = 25%	taking decision <u>Values</u> Co- operation appreciatio n	Questi on and answer			curricul um page 162
6		F R A C T I O N S	Perce ntage	The learner: - forms equations - finds old number after increase	- reads the statements - writes the statements	Find old number after increase. Example What umber when increased by 20% becomes 360? Method 1 Forming equations Let the number be x 100% + 20% = 120% 120% of x = 360 120 x X = 360 100 1 100x $\frac{120}{120}x = 360 \times 100$ 120 120 $\frac{120x}{120} = \frac{360 \times 100}{120}$ X = 3 x 100 X = 300 Method II New % = 100% + 20% = 120%	Effective communic ation confidence Problem solving taking decision Values Co- operation appreciatio n	Discus sion Explan ation Questi on and answer	Finding old number after increas e	Chalk board illustr ation s	Functio nal Primar y Mathe matics book 6 page 111 Primar y Six curricul um page 162

					120% represents 360					
					1% represents <u>360</u>					
					100% ropr 360 x 100					
					120%					
					3 x 100					
					=300					
2	F	Perce	The learner:	- reads the	Finding old number after decrease	Effective	Discus	Finding	Chalk	Mk.
	R	ntage	- forms	statements	Example	communic	sion	old	board	Maths
	A		equations	- writes the	1. What number when decreased	ation		number	illustr	book 6
	C		- finds old	statements	by 25% becomes 900?	confidence	Guided	after	ation	page
	T		number after		New % = 100% - 25%	Problem	discov	decrea	S	155-
	1				=75%	<u>solving</u>	ery	se		156
	0)			75% repr. 900	taking				
	N				1% repr. <u>900</u>	decision	Explan			Primar
	S				75%	Values	ation			y Six
					100% repr. <u>900 x 100</u>	Co-				curricul
					/5%	operation	Questi			um
					300 x 4 = 1200	appreciatio	on and			page
						n	answer			162
3	F	Perce	The learner:	- describes	Application of percentage	Effective	Discus	Finding	Chalk	Mk.
	R	ntage	- applies	profits,	-cost price, selling price and cost	communic	sion	profit	board	Maths
	A		percentage	loss price	price.	ation			illustr	book 6
	C		to loss, cost	and selling	Example	confidence	Guided		ation	page
			price and	price.	1. Pamella bought a book at	Problem	alscov		S	15/
			selling price.	- reads the	$\sin 300/=$ and sold it at sn. 400/=.	<u>solving</u>	ery			Daiman
			- TINOS IOSS	statements	Find her protit.	taking	⊨xpian			Primar
			and profit	- writes the	Profit = selling price - cost price	aecision	ation			y SIX
	5			statements	P = s/p - c/p	values				cumcul

			- finds		Shs. 400/=	Co-	Questi			um
			percentage		Shs. 300/=	operation	on and			page
			profit and		Shs. 100/=	appreciatio	answer			162
			loss			n				
	F	Perce	The learner:	- describes	Finding percentage profit	Effective	Discus	Finding	Chalk	Mk.
	R	ntage	- applies	profits,	Example	<u>communic</u>	sion	percent	board	Maths
	A		percentage	loss price	My sister bought a pen at shs.	ation		age	illustr	book 6
	С		to loss, cost	and selling	1600/= and sold it at sh. 2000/=			profit	ation	page
	Т		price and	price.	Find the percentage profit.	confidence	Explan		S	157
	I		selling price.	- reads the	% profit = Profit x %	Problem	ation			
	0		- finds loss	statements	c/price	solving				Primar
	Ν		and profit	- writes the	P = S/P - C/p	taking				y Six
	S		- finds	statements	Sh. 2000/=	decision	Questi			curricul
			percentage		Sh. 1600/=	Values	on and			um
			profit and		Sh. 400/=	Co-	answer			page
			loss		%profit = <u>400 x 100%</u>	operation				162
					1600	appreciatio				
					= 25 %	n				
4	F	Perce	The learner:	- reads the	Finding loss	Effective	Discus	Finding	Chalk	Unders
	R	ntage	- finds loss	statements	Example	communic	sion	loss	board	tanding
	A	_	when given		1. Nsubuga sold a cow at sh.	ation			illustr	maths
	С		selling price	- writes the	250,000/= which he bough at sh.		Demon		ation	book 6
	Т		- finds loss	statements	300,000/=. How much loss did he	confidence	stratio		s	
	1		percentage		make?	Problem	n			Primar
	0				Loss=cost price-selling price	solving				y Six
	Ν				300000- 250000	taking	Explan			curricul
	S				Sh. 300000/=	decision	ation			um
					Sh. 250000/=	Values				page
					Sh. 50,000/=					162

							Co- operation Appreciatio n	Questi on and answer			
4	on	F R A C T I O N S	Perce ntage	The learner: - finds loss when given selling price - finds loss percentage	- reads the statements - writes the statements	Finding percentage loss. Example Monica bought a book at 35,000/= and sold it at sh. 32,000/= Find the percentage loss. % loss = 1 x 100% c/p I = c/p - s/p sh. 35,000/= sh. 30,000/= sh. 3,000/= \$\$ 3000 x 100 / 35,000 / 7 1 = 8 4/7%	Effective communic ation confidence Problem solving taking decision Values Co- operation Appreciatio n	Discus sion Demon stratio n Explan ation Questi on and answer	Finding percent age loss	Chalk board illustr ation s	Unders tanding Mathe matics book 6 Primar y Six curricul um page 162
5		F R A C T I O N	Perce ntage	The learner: - finds simple interest - finds amount	- describes simple interest and relates it in day to day life. - reads and	Finding simple interest Example A farmer deposited sh. 120,000/= in a bank that offers an interest rate at 10% per years. How much interest will he after 2 years? SI P x R x T = 120,000 x $\frac{10 x 2}{100}$	Effective communic ation confidence Problem solving	Discus sion Explan ation	Finding simple interest and amount	Chalk board Illustr ation s	Primar y Maths for Ugand a book 6 page 75-76

		S			interprets the statements	= 12000 x 2 = sh. 24,000/= Finding amount. Example A trader borrowed sh. 400,000/= from a bank at an interest rate of 5% per annum. Find the amount he got after 6months. A = P + SI =400,000 + 2000x 5×6 100 12 =400000 + 2000 x 5 = 400000 + 10000 sh. A = 410,000 400000 + 10000	taking decision <u>Values</u> Co- operation appreciatio n	Questi on and answer			Mk Maths book 6 page 159 Primar y Six curricul um page 162
510); Tha l	oorne		onto and into	rarata simala	410,000					
	GR APH S AN D INT ERP RET ATI ON OF INF OR MA	DA TA HA DL IN G	r repres Types of graph s	The learner: - forms tables from the given information/ data	- names types of graphs - reads and interpretes data presented on tables.	Types of graphs. - Picto graphs - Bar graphs - line graphs - pie charts - collection of data Example A class was asked the type of food they liked most. Their answers were as follows:	<u>Creative</u> <u>thinking</u> Logical thinking <u>Problem</u> <u>solving</u> Taking decision Making choice <u>Values</u>	Discus sion Explan ation	- Namin g graphs - collecti ng data - drawin g tables	A bar graph on the chart Chalk board illustr ation s	Mk. Maths book 6 page 164- 165 P.6 curr. pg 166- 167

	6	TIO N					10 liked matooke, 12 liked posho, 6 liked millet, 8 liked rice, 4 liked cassava and 8 liked yams. Put the above information in a table. Ty of food Mat. Posho No.of pup 10 Millet Rice cassava 6 8 4	Co- operation appreciatio n	Demon stratio n Questi on and answer			
	7	GRA PHS AND INT ERP RET ATI ON OF INF OR MAT ION	D AT A A DL IN G	Picto- graph	The learner: - draws picto-grapds - works out equations involving pictographs	- reads and interprets the given data - writes the given data	Picto-graphExampleThe graph below shows thenumber of cars that pass throughMbeya village from Monday toFriday.DAYNUMBER OFCARSMON $\triangle \triangle \triangle \triangle$ TUE \land WED $\triangle \triangle \triangle$ THU $\triangle \triangle \triangle \triangle$ FRI $\triangle \triangle \triangle$ Scale : \triangle represents 10 cars.Questions:1. How many cars passed throughthe village on Thursday?	Creative thinking Logical thinking <u>Problem</u> solving Taking decision Making choice <u>Values</u> Co- operation appreciatio n	Explan ation Illustrat ion Demon stratio n Discus sion Questi on and answer Brain stormi ng	- Drawin g graphs. - Answer ing questio ns involvin g graphs	A chart showi ng Picto- graph	Mk Maths book 6 page 163 P.6 curr. pg 166- 167
7	1		D	Line	The learner:	- reads	Line graph	Creative thisking	Explan	- Dreuir	A	MK
			A	graph	graph	interprets		<u>u iin King</u>	alion	Diawin	showi	watns

		H A DL IN G		- answers written questions about line graphs.	the line graphs. - writes the given data	The graph shows litres of petrol consumed by a car through a certain distanceLogical thinking Problem solving Taking decision Making choiceIlustrati o n Demon stratio n biscus siong graphs line graph s012345678	book 6 page 7 P.6 curr. pg 166- 167
2	GR APH S AN D INT ERP RET ATI ON OF INF OR MA	D AT A N DL IN G	Piecir cle graph s	The learner: - draws circle graphs and represents regions on them - shades required regions	- reads and interprets the given data. - describes pie charts - names pie charts	Pie charts: Piecharts are circle graphs. -Pie charts are used to organize information using either fractions, decimals, degrees or percentages. -The angle sum of a circle graph is 360° .Creative thinking Logical thinking Problem Solving Taking decisionExplan ationDrawin g circle n and shadin circle graphs-The angle sum of a circle graph is 360° .Problem solving Taking decisionDiscus sionshadin g circle graphsDrawin bis shadinDrawin g circle graphsDrawin ationDrawin g circle graphs-The angle sum of a circle graph is acircle graph.Discus circle graphsDiscus sionin circle graphs1/2 x 360^{\circ} = 180^{\circ}180^{\circ}Discus co- operationDiscus sionin circle graphs	Mk Maths book 6 page 178- 179 P.6 curr. pg 166- 167

	TIO N					¹ / ₂ x 100% = 50% 50%	appreciatio n	Guided discov ery			
						¹ / ₄ x 360° = 90°		Market stall			
						¹ / ₄ x 100% =25%					
3	GRA PHS AND INT ERP RET ATI ON OF INF OR MAT ION	D AT A H A DL IN G	Pie- charts	The learner: - solves problems involving circle graphs	- reads the statements - interprets data - writes the statements	Solving problems involving piecharts Example The pie-chart below shows how a man spends his salary of sh. 180,000/=	Creative thinking Logical thinking <u>Problem</u> solving Taking decision Making choice <u>Values</u> Co- operation	Explan ation Discus sion	Workin g out questio ns involvin g pie charts	A chart showi ng a pie chart	Mk Maths book 6 page 180- 183 P.6 curr. pg 166- 167
					For more sch	hem uganda.madpa	th.com				

						Fees x 110°	appreciatio n	Guided discov			
						/ Food a) Find the value of x. $x + 60^{\circ} + 90^{\circ} + 110^{\circ} = 360^{\circ}$ $x + 150^{\circ} + 110^{\circ} = 360^{\circ}$ $x + 260^{\circ} = 360^{\circ}$ $x + 260^{\circ} - 260^{\circ} = 360^{\circ} - 260^{\circ}$ $x = 100^{\circ}$ b) How much more money does he spend on fees than clothing? Fees-clothing $100^{\circ} - 60^{\circ} = 40^{\circ}$ $360^{\circ} - 360^{\circ} - 360^{\circ}$ $40 \times 180000/=$ 360 Sh. 20000/-more.		ery Brain stomri ng			
4	GRA PHS AND INTE RPR ETA TION OF INFO RMA TION	D AT A H A N DL IN G	Const ructio n of pie charts	The learner: - calculates degrees from givens fractions. - measures angles for given pie charts.	 reads the statements interprets data writes the statements 	Construction of pie –charts Example A man spends his money as follows: $\frac{1}{4}$ on food $\frac{1}{3}$ on rent and $\frac{5}{12}$ on others. Show this information on a pie-chart. Food: $\frac{1}{4} \times 360^{\circ} = 90^{\circ}$ Rent: $\frac{1}{3} \times 360^{\circ} = 120^{\circ}$	<u>Creative</u> <u>thinking</u> Logical thinking <u>Problem</u> <u>solving</u> Taking decision	Explan ation Illustrat ion Discus sion	Constr ucting accurat e pie- charts from given informa tion	Chalk board illustr ation s	Mk Maths book 6 page 184 - 186 P.6 curr.

				- construct angles		Others: 5 x 360° =5 x30° 12 = 150° Food Rent 120° Food 150° Others	Making choice <u>Values</u> Co- operation appreciatio n	Questi on and answer Brain stormi ng			pg 166- 167
5	GRA PHS AND INTE RPR ETAT ION OF INFO RMA TION	D AT A H A N DL IN G	Simpl e statist ics	The learner: - differentiate s mode from modal frequency. - work out numbers involving mode and modal frequency	- reads the statements - describes mode, modal frequency and range. - writes mode and modal frequency	Mode: Mode is the commonest number in the given data Example A boy obtained the following in a series of tests: 8, 2, 6, 4, 5, 6, 9,6, and 2 a) Find his modal mark No. T F 8 1 1 2 11 2 6 111 3 5 1 1 9 1 1 4 1 1 6 appears most, so 6 is the modal frequency. Is the number of times	Creative thinking Logical thinking <u>Problem</u> <u>solving</u> Taking decision Making choice <u>Values</u> Co- operation appreciatio n	Guided discov ery Explan ation	Calcula ting number s involvin g mode, modal frequen cy and range.	Class room situati on Chalk board illustr ation	Mk Maths book 6 page 169- 170 P.6 curr. pg 166- 167

						the mode appears. In the above number, 3 is the modal frequency. Range: Range is the difference between the highest and the lowest items in given information. Example Musa scored the following marks in a series of tests 50, 20, 30, 75, 30, 80, 20, 30, 30, 50, 75, 80 Find the range mark. R = H - I = 80 - 20		Discus sion Think, pair & share			
6	GRA PHS AND INT ERP RET ATI ON OF INF OR MAT ION	D AT A H A N DL IN G	Simpl e statist ics	The learner: - arranges items in both ascending and descending order. - calculates the median - calculates the mean	- reads and interprets the statement. - writes the statement	Median: is the middle number got after arranging in either ascending or descending order. Example Given 7, 3,2, 6, 8 and 4, find the median 7, 3, 2, 6, 8, 4 = $2, 3, 4, 6, 7, 8$ = $4 + 6$ 2 = 10	Creative thinking Logical thinking Problem solving Taking decision Making choice Values Co- operation appreciatio n	Guided discov ery Explan ation Demon stratio n Discus sion	Finding median of given data.	Chalk board illustr ation s	Mk Maths book 6 page 170 P.6 curr. pg 166- 167

						2 = 5					
6	GRA PHS AND INT ERP RET ATI OF INF OF INF OR ION	D AT A H A N DL IN G	Simpl e statist ics	The learner: - arranges items in both ascending and descending order. - calculates the median - calculates the mean	- reads and interprets the statement. - writes the statement	Arithmetic mean or average M = SII NII Example Find the mean of the first three even numbers. M = SII NII = $\frac{0+2+4}{3} = \frac{6}{3}$ = 2	Creative thinking Logical thinking <u>Problem</u> solving Taking decision Making choice <u>Values</u> Co- operation appreciatio n	Guided discov ery Explan ation Demon stratio n Discus sion Think, pair & share	Calcula ting mean in given data	Chalk board illustr ation s	MK Maths book 6 page 171. Functio nal Primar y Mathe matics book 6 page 119
7	GRA PHS AND INT ERP RET ATI ON OF INF OR MAT ION	D AT A H A DL IN G	Simpl e statist ics	The learner: - forms correct equations - solves for the unknown	- reads and interprets given informatio n. - writes the statements	Inverse problems on average Example The average of 4 numbers is 13. Three of them are 9, 12 and 10. Find the fourth number. Let the fourth number be k. $\frac{K + 9+12 + 10}{4} = 13$ $\frac{K + 31}{4} = \frac{13}{1}$ $\frac{4 \times k + 31}{4} = 13 \times 4$	Creative thinking Logical thinking <u>Problem</u> solving Taking decision Making choice <u>Values</u>	Guided discov ery Explan ation Questi on and answer	Solving word proble ms involvin g averag e	Chalk board illustr ation	Mk Maths book 6 page 173 P.6 curr. pg 166- 167

8	1	GRA PHS AND INTE RPR ETA TION OF INFO RMA TION	D AT A N DL IN G	Simpl e statist ics	The learner: - solves word problems involving average/ mean	- reads and interprets the statements - writes the statements	K + 31 = 52K+31-31 - 52-31K = 21More about average.ExampleThe average of 4 numbers is 6 andthe mean of 4 other numbers is 8.Find the mean mark of all 8numbers. Total mark of 4 numbers= 4 x 6 = 24Total mark of 4 other numbers= 4 x 8 = 32Average mean of 8 numbersA = SIINII= 24 + 328= 568= 7	Co- operation appreciatio n <u>Creative</u> <u>thinking</u> Logical thinking <u>Problem</u> <u>solving</u> Taking decision Making choice <u>Values</u> Co- operation appreciatio n	Discus sion Guided discov ery Explan ation Gallery walk Questi on & answer Discus sion	Solving word proble ms involvin g averag e	Chalk board illustr ation s	Mk Maths book 6 page 173 P.6 curr. pg 166- 167
E.	.L.O	: The le	earne	er excha	nges money f	rom one curi	rency to another and explains why	conversion o	f money i	s done.		
	2	MEA	M	Buyi	The learner:	- reads	Buying and selling	<u>Effective</u>	Guided	Shoppi	Mone	Mk.

Ż		M	Buyi	The learner:	- reads	Buying and selling	Effective	Guided	Shoppi	Mone	MK.
	SUR	0	ng	- finds the	and	Example	<u>communica</u>	discuss	ng	у	Maths
	EME	NE	and	total	comprehe	Rose had sh. 5000/= and bought 1	<u>tion</u>	ion		Items	book 5
	NTS	Y	sellin	expenditure.	nd	1/2 kg of beans at sh. 600/= each	fluency			in the	page
			g	- calculates	statements	kg, 500gm of salt at sh.700/=@ kg,	confidence			shop.	240
			-	change		and 2 bars of soap at sh. 1400/=					and Mk

					- uses words like expenditur e and change correctly.	a) Hov spend Beans 1 ½ x 1 3 x 60 2 3 x 30 Sh. 90 Soap 2bars Total: b)Calc sh. 26 sh. 23 SW Sh. 5 - <u>sh. 2</u>	v muck altoge 600 0 00 0/= for sh. sh. 90 Sh. 13 -Sh. 14 Sh. 20 Sh. 20 Sh. 20 - Sh.	n money ether? Salt <u>500</u> x 7 1000 50 x 7 shs. 350 1400/= 350/= 400/= 650 her chan	did she 700)/= ge. Sh. 5(000-	Problem solving taking decision <u>Values</u> co- operation self esteem <u>Interperson</u> <u>al relation</u> forgiving others caring for others	Questi on and answer Explan ation Market stall	Visit to the cantee n Chalkb oard illustrat ion	Chalk board illustr ation s	Maths book 6 page 213 – 214 P.6 curr pg 171- 172	
3	ME AS UR EM ENT S	M O NE Y	Com pletin g bills	The learner: - studies the bills - identifies the missing parts in a bill.	- reads and comprehe nds statements - uses words like	Sn. 2. Compl Examp Study correc Item Sug Soap	ard co and co tly. 4kg 2brs	oills omplete unit C 1200/= 700/=	the bill amount 4800/= 1400/=		Effective communica tion fluency confidence <u>Problem</u> solving	Explan ation Discus sion	Compl eting tables by multipl ying, dividin	Chalk board illustr ation s	Mk. Maths book 6 page 215- 216	

				- completes the shopping bills correctly.	expenditur e and bills correctly.	c.oil 3litres 1500/= 4500 Shs 107,000 Sugar soap oil 4x1200 1400 4500 2 1500 Sh.4800/= 700/= 3litres	D/= taking decision <u>Values</u> co- operation self esteer <u>Interperso</u> <u>al relation</u> forgiving others caring for others	Questi on and answer 1 Brain stormin 9	g and adding.		P.6 curr pg 171- 172
4	ME AS UR EM ENT S	M O NE Y	Curre ncies	The learner: - draws a table for exchange rate. - copies notes	- names money or currencies for different countries - reads and uses the vocabulary correctly.	Money Uganda and other currencie Country currency Uganda Uganda shilling Kenya Kenya shilling Tanzania Tanzania sh. Rwanda Rwanda Franc Zambia Kwacha S.Africa Rand USA US dollar Britain Pound Sterling Japan Japanese Yen European Union Euro German Deutcsh Mark Rates	es <u>Effective</u> <u>communic</u> <u>tion</u> fluency confidence <u>Problem</u> <u>solving</u> taking decision <u>Values</u> co- operation self esteer <u>Interperso</u> <u>al relation</u> forgiving others	Explan ation Guided discov ery Questi on and answer Brain stormin a	Field trip to Forex Bureau	Table of exch ange rates	Mk Maths book 6 page 219 P.6 curr pg 171- 172

1 Rw.F 1.9 2.2 1Euro 1520 1560 1 TZ 1.6 2		
5 ME M Exch AS The learner: - converts - reads, counts and Writes Uganda and other currencies Effective communica Explan d VR NE Fates Uganda writes Counts and writes Uganda shilling is 1kshs= 25 ug shs. How much Ug. Shs will Effective confidence Explan d S V V other currency other currency currencies correctly. The exchange rate in Kenya for fluency fluency Guided d S V other currency rates correctly. Sh. How much Ug. Shs will Froblem ery Solving ery Solving ery Solving ery Solving ery Solving answer co- on and Values answer co- operation sion Interperson al relation forgiving others g Solving Brain Solving Brain Solving S	Conver Chal ting boar curren illust cies ation s	k Mk. d Maths book 6 page 219 - 221 P.6 curr pg 171- 172
6 ME M Findi The learner: - reads Uganda currency. Effective Explan Findi AS O ng - calculates and Uganda currency includes coins Effective Explan Findi UB N Findi The learner: - reads Uganda currency includes coins Effective Explan Findi	Finding Bank numbe note	Mk. Maths

ENT Y notes Statements Statemen	
S Index Counts Index Counts Index Particle from AP003782, to numbered from AP003782, to a) How many notes are in the statements Problem solving ery Bundle. Illustr Illustr AP003881. a) How many notes are in the statements a) How many notes are in the bundle? bundle. allustr s calcula 171- AP003782 on and statements aP003782 on and bundle? answer s calcula 171- AP003782 on and self esteem answer answer ing amoun noney ing amoun 172 Poption Formula used is n + 1 N represents notes found in the range. Piption Discus t of money in a Interpretion self esteem Interpretion sion money in a answer in a Interpretion share share share answer in a answer in a Interpretion share share share answer in a answer answer in a Interest in the bundle? inote sh. 500/r	Į.
- writes the given statements	1
7 ME Di TIME The learner: - reads Conversion of time from one unit Effective Explan Relatin Clock Underside	ĺ
7 ME Di TIME The learner: - reads Conversion of time from one unit Effective Explan Relatin Clock Unders 7 ME Di TIME The learner: - reads Conversion of time from one unit Effective Explan Relatin Clock Unders	ĺ
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Formula used is n + 1 Soft esteem Sion money N represents notes found in the range. = 99+ 1 Soft esteem Soft esteem = 100 notes = 100 notes others Soft esteem Soft esteem b)If each note is sh.500/= note = sh. 5000/= Others Soft esteem Soft esteem 100 notes Interperson Soft esteem Soft esteem Soft esteem Soft esteem 100 notes Interperson Soft esteem Soft esteem Soft esteem Soft esteem 100 notes Soft esteem Soft esteem Soft esteem Soft esteem Soft esteem 100 notes Soft esteem Soft esteem Soft esteem Soft esteem Soft esteem 100 notes Soft esteem Soft esteem Soft esteem Soft esteem Soft esteem 100 notes Soft esteem Soft esteem Soft esteem Soft esteem Soft esteem 100 notes Soft esteem Soft esteem Soft esteem Soft esteem Soft esteem 100 notes Soft esteem Soft esteem Soft esteem Soft esteem Soft esteem	ĺ
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range. = 99+1 forgiving Think, bundle. = 100 notes = 100 notes others share share b)If each note is sh.500/= how others caring for others share 1 00 notes 1 note = sh. 5000/= 100 notes - Sh.5000x 100 others share note 2 7 ME Di Time The learner: - reads Conversion of time from one unit Effective Explan Relatin Clock Unders	ĺ
Image: = 99+1 = 100 notes others b)If each note is sh.500/= how others much money is in the bundle? others 1 note = sh. 5000/= others 1 00 notes - Sh.5000x 100 = sh. 500,000/= 2 7 ME Di TIME The learner: - reads	ĺ
7 ME Di TIME The learner: - reads Conversion of time from one unit Effective Explan Relatin Clock Unders	ĺ
b)If each note is sh.500/= how much money is in the bundle? 1note = sh. 5000/= 100 notes –Sh.5000x 100 = sh. 500,000/= 7 ME Di TIME The learner: - reads Conversion of time from one unit Effective Explan Relatin Clock Unders	ĺ
7 ME Di TIME The learner: - reads Conversion of time from one unit Effective Explan Relatin Clock Unders	ĺ
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7 ME Di TIME The learner: - reads Conversion of time from one unit Effective Explan Relatin Clock Unders	
7 ME Di TIME The learner: - reads Conversion of time from one unit Effective Explan Relatin Clock Unders	ĺ
7 ME Di TIME The learner: - reads Conversion of time from one unit <u>Effective</u> Explan Relatin Clock Unders	
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IIR an time comprehe -Relationship of units tion	ĺ
EXAMPLE $ratio = 1$ $ratio $	ĺ
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\mathbf{S} m minutes 1 hour = 3600 seconds Problem Demon hours illustr	ĺ
- reads the - writes Examples Solving Stration to ation MK	
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4hours= 60 x 4min Values	

			ee			and	= 240 min	CO-	Questi	changi		page	
			d			seconds	2. Change 4 minutes to seconds	operation	on and	ng		222	
							1min =60 seconds	self esteem	answer	minute			
							4min = 60 x 4	Interperson		s to		P.6	
							= 240 seconds	al relation		second		curr pg	
							3.How many seconds are there in	forgiving		S		171-	
							1 hour?	others		Changi		172	
							1hr = 60 min	caring for		ng			
							1min = 60 sec	others		hours			
							1hr = 60 x 60			to			
							= 3600 seconds			second			
										S			
Ś	9 1	ME	Di	Time	The learner:	- reads	Conversion of time	Effective	Explan	Expres	Chalk	Mk	
		AS	st		- changes	units used	-Changing minutes to hours	<u>communica</u>	ation	sing	board	Maths	
		UR	an		minutes to	to	Example	<u>tion</u>		minute	illustr	book 6	
		EM	се		hours.	measure	Change 360 minutes to hours	fluency		s and	ation	page	
		ENT	ti		- changes	time.	60min = 1hr	confidence		second	S	223	
		S	m		seconds to	- writes	1min = <u>1</u>	Problem	Discus	s to			
			е		hours.	units used	60	<u>solving</u>	sion	hours.		P.6	
			&			to	360 min = <u>1</u> x 360	taking				curr pg	
			sp			measure	60	decision				171-	
			ee			unit.	= 6hours	<u>Values</u>	Questi			172	
			d				Changing seconds to hours	CO-	on and				
							Example	operation	answer				
							Change 18000 seconds to hours	self esteem					
							3600 sec = 1hr	Interperson	Gallery				
							$1 \sec = \frac{1}{2}$	al relation	walk				
							3600	torgiving					
							18000 sec = <u>1 x 18000</u>	others					

						3600	caring for				
						= 5hours	others				
2	ME	Di	Time	The learner:	- reads the	Duration	Effective	Explan	Finding	Chalk	Mk
	AS	st		- identifies	units	Duration is time taken to complete	<u>communica</u>	ation	duratio	board	Maths
	UR	an		durations	- writes	an activity.	<u>tion</u>		n	illustr	book 6
	EM	се		 calculates 	statements	Example	fluency			ation	page
	ENT	ti		duration		How many hours are there	confidence	Discus		S	224-
	S	m		between		between 2:30 am and 9:00a.m?	Problem	sion			225
		е		hours.		9:00am	solving				Unders
		&				- <u>2:30am</u>	taking				tanding
		sp				6:30=6hrs 30min	decision	Questi			Maths
		ee					<u>Values</u>	on and			book 6
		d					CO-	answer			
							operation				P.6
							self esteem				curr pg
							Interperson	Market			171-
							al relation	stall			172
							forgiving				
							others				
							caring for				
							others				
3	ME	Di	Time	The learner:	- reads	Changing 1200hour time to	Effective	Explan	Changi	Chalk	Mk
	AS	st		- changes	anti-	2400hour time	<u>communica</u>	ation	ng	board	Maths
	UR	an		1200hour	meridian	Examples	<u>tion</u>		1200	illustr	book 6
	EM	се		time to 2400	(a.m) and	Changes to 2400hour time	fluency	Guided	hour	ation	page
	ENT	ti		hour time.	prime	1)7:10am	confidence	discuss	time to	S	199
	S	m		- adds	meridian	If it is in am, add 0000hrs.	Problem	ion	2400h		
		е		1200hrs or	(p.m)	7:10am	solving		our		P.6
		&		0000hrs		<u>+00:00hrs</u>			time		curr pg

			sp			- writes	07:10hrs	taking	Questi			171-
			ee			anti		decision	on and			172
			d			meridian	2) 7:10pm	<u>Values</u>	answer			
						and prime	If it is in pm, add 1200 hours	со-				
						meridian	7:10pm	operation	Brain			
							<u>+12:00hrs</u>	self esteem	stormin			
							19:10 hrs	Interperson	g			
								al relation				
								forgiving				
								others				
								caring for				
								others				
	4	ME	Di	Time	The learner:	- reads	Changing 2400 hour time to	Effective	Explan	Changi	А	Mk.
		AS	st		- changes	and writes	1200hour time	<u>communica</u>	ation	ng	chart	Maths
		UR	an		2400 time to	time in a.m	Example	<u>tion</u>		2400	showi	book 6
		EM	се		1200 hour	or p.m	1) change 0025 hours to 1200hour	fluency		hour	ng	page
		ENT	ti		time	- writes	time.	confidence	Guided	time to	the	200
		S	m		- subtract	time in a.m	0025hrs	Problem	discuss	1200	1200	
			е		1200hrs or	and p.m	<u>+1200hrs</u>	solving	ion	hour	hour	P.6
			&		0000 brs		1225	taking		time	time	curr pg
			sp				= 12:25am	decision	Questi		and	1/1-
			ee					Values	on and		2400	1/2
			d				2)Express 1450 hours as 12hour	CO-	answer		hour	
							clock system.	operation	ь ·		time	
							1450hrs	self esteem	Brain			
							1200hrs	forgiving	stormin			
							250 = 2:50pm	otners	g			
								caring for				
L								others				

5	ME AS UR EM ENT S	Di st an ce ti m e & sp ee d	Time	The learner: - finds the directions of time from a.m to p.m and from p.m to a.m	- reads and writes the statements - writes duration in hours.	Duration of time with am and pm Example My sister was sleeping from 4:00am to 3:00pm. For how long was my sister sleeping? 3:00pm change both am 4:00am and pm to 2400 Hour time 3:00pm 4:00am +12:00hrs 15:00hrs 04:00hrs 1500hrs -0400hrs 1100	Effective communica tion confidence Problem solving taking decision Values self esteem Interperson al relation forgiving others caring for	Explan ation discuss ion Questi on and answer Think, pair & share	Finding duratio n	Chalk board illustr ation	Mk. Maths book 6 page 224- 225 P.6 curr pg 171- 172	
6	ME AS UR EM ENT S	Di st an ce ti m e & sp ee d	Time	The learner: - applies formula to find distance - finds distance	- reads and writes the statements - writes duration in hours	Finding distance Example Find the distance travelled by a car in 2hours at a speed of 60km/hr D S T D = S x T = 60km/hr x 2hrs = 120km	others <u>Effective</u> <u>communica</u> <u>tion</u> fluency <u>Problem</u> <u>solving</u> taking decision <u>Values</u> co- operation <u>Interperson</u> al relation	Explan ation Guided discuss ion Questi on and answer Proble m solving	Finding distanc e when given time and speed	Chalk board illustr ation s	P.6 curr pg 171- 172	

								forgiving others					
	7	ME AS UR EM ENT S	Di st an ce ti m e & sp ee d	Time	The learner: - finds duration between departure and arrival. - solves problems to find distance	- reads and interprets the statements - writes the statements	Finding distance Example A bus which travels at 50km/hr leaves Mbarara at 7:30am and arrives at Mbale at 1:30p.m. What is the distance between Mbarara and Mbale? D = S xT Time from Mbarara to Mbale is missing T = 1:30pm change to -7:30am 2400hour Clock 1:30pm 7:30am $\pm 12:00hrs$ $\pm 00:00hrs$ 13:30hrs -0730hrs 600= 6hrs D= S x T = 50km/hr x 6hrs = 200km	Effective communica tion fluency confidence <u>Problem</u> solving taking decision <u>Values</u> co- operation self esteem <u>Interperson</u> al relation forgiving others caring for others	Explan ation Guided discuss ion Questi on and answer Proble m solving Market stall	Finding - duratio n - distanc e	Chalk board illustr ation s	Mk Maths book 6 page 230 P.6 curr pg 171- 172	
1 0	1	ME AS UR EM	Di st an ce	Time	The learner: - identifies units used for time.	- reads, spells and writes the word time	Time: Finding time Example	Effective communica tion fluency	Explan ation	Finding time	Chalk board illustr	Mk Maths book 6	

ſ		ENT	ti		- finds time		How long will a car take to cover a	Problem	Guided		ation	page	
		S	m		when given		distance of 120km at a speed of	solving	discuss		s	231	
			е		distance and		40kph?	taking	ion				
			&		speed.		T = D	decision				P.6	
			sp		-		S	Values	Questi			curr pg	
			ee				=120km	self esteem	on and			171-	
			d				40	Interperson	answer			172	
							=3hrs	al relation					
								forgiving	Proble				
								others	m				
									solving				
ſ	2	ME	Di	Time	The learner:	- reads,	- reads and interpretes the	Effective	Explan	Calcul	Chalk	Mk	
		AS	st		- identifies	spells and	statement.	<u>communica</u>	ation	ating	board	Maths	
		UR	an		units used to	writes the	- writes the statement	<u>tion</u>		for	illustr	book 6	
		EM	се		measure	word time		confidence	Guided	speed	ation	page	
		ENT	ti		speed.			<u>Problem</u>	discuss		S	234-	
		S	m		- applies			<u>solving</u>	ion			235	
			е		formula to			taking					
			&		find speed.			decision	Questi			P.6	
			sp					<u>Values</u>	on and			curr pg	
			ee					self esteem	answer			171-	
			d					Interperson				172	
								al relation	Proble				
								caring for	m				
								others	solving				

3	ME AS UR EM ENT S	Di st an ce ti m e	Time	The learner: - relates units e.g km to ms - expresses speed from km/hr to	- reads units used to measure speed. - names units.	Expressing kilometers per hour to metres per second Example Express 72km/hr as m/second 1km = 1000ms 1hr = 3600sec =72 x 1000m	Effective communica tion fluency Problem solving taking	Explan ation Guided discuss ion Questi	Expres sing speed from km/hr to mps	Chalk board illustr ation s	Mk. Maths book 6 page 236- 237
		& sp ee d		m/second	- writes correct units.	1 x 3600sec = 2 x 10m 1 sec = 20m/sec	decision <u>Values</u> self esteem <u>Interperson</u> <u>al relation</u> forgiving others	on and answer Proble m solving			P.6 curr pg 171- 172
4	ME AS UR ENT S	Di st an ce ti m e & sp ee d	Time	The learner: - relates units - expresses speed from metres per second to kilometer per hour.	- reads units used to measure - writes correct units.	Expressing metres per second to kilometers per hour Example Change 20m/sec to km/hr 1km = 1000m 1hr = 3600sec $20 \div 1$ 1000 3600 20×3600 1000 1 = 2 x 36 = 72kph	Effective communica tion fluency Problem solving taking decision Values co- operation self esteem Interperson al relation	Explan ation Guided discuss ion Questi on and answer Proble m solving	Changi ng speed from m/sec to km/hr	Chalk board illustr ation s	Mk Maths Book 6 page 237 P.6 curr pg 171- 172

							forgiving others					
5	ME AS UR ENT S	Di st an ce ti m e & sp ee d	Time	The learner: - calculates the average speed. - adds time - adds distance	- reads and intereprets the statements - writes the statement	Average speed Finding average speed Example A car takes 3 hours to cover a certain journey of 60km/hr and takes hours to return. Calculate its average speed. 1^{st} journey (going) D = S x T = 60kph x 3hrs = 180km Return (coming back/same journey) S = D T = 180km 2hrs = 90kph A/S = T/D/C T/T/T = 180km + 180km 3hrs + 2hrs = 360 5hrs = 72 km/hr	Effective communica tion fluency confidence <u>Problem</u> solving taking decision <u>Values</u> co- operation self esteem <u>Interperson</u> al relation forgiving others caring for others	Explan ation Discus sion Questi on and answer	Calcul ating averag e speed	Chalk board illustr ation s	Mk Maths book 6 page 238 P.6 curr pg 171- 172	