SCHEME OF WORK - TERM ONE

WK	PD	THEME	TOPIC	SUB TOPIC	CONTENT	Subject competence	Language competence	Life skills	Method	t/l aids	REF	REM.
1	1		Set Concepts	Types of sets	- Equal sets - Equivalent set - Unequal - Non equivalent sets - Matching sets	Spells Reads, pronounces and uses new words in the sentences	- Lists , counters, elements of different sets	- Creative thinking - Critical thinking - Problem solving - Effective communicati on - Interpersonal relationship	- Real objects - Flash cards - Charts - Containers - Counters - Stones - Sticks - Abacus - Papers	- creative thinking - Effective communicati on - Cooperation - Critical thinking - Problem solving	- Mk new edition pg 1-2 - Understanding mtcpp 1-3 - Fountain primtc 1-8 - Fountain pg 8- 10 - Curriculum pg 149-151	-
	2				Intersecting set Joint sets Disjoint sets Union sets Universal sets	-	- Draws Venn diagrams - Lists elements - Identifies elements	- Do	- Do	- Do	- Do	-
	3	SETS			- Difference of set - Shading regions - Complements of sets	-	- Finds difference of sets - Shades regions - Finds complements of sets	- Do	- Do	- Do	Do	-
	4	S			Subsets Listing and forming subsets Finding number of subsets and proper subsets	-	- Lists subsets \finds number of subsets	- Do	- Do	- Do	Do	-
	5			Finding number of elements	Listing elements Finding number of elements Representing elements on the venn diagram	Spells reads, pronounces and uses new words correctly	- Lists members - Finds number of elements	- Real objects	- Mathematical ruler	- Logical reasoning	Mk old edition pp 20-22	-
	6			Application of set concepts	Representing elects on the venn diagram Interpreting on the venn diagram Finding number of elements	-	Represents information on a venn diagram Interprets information on the venndiagram Finds number of members on	- Think - Pair - Share	- Clock faces - Mtc sets - Learners - Manila cards - Boxes - C.compases - Bottle tops	-	Mk old edition 22-25	-

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	7				Interpreting word problems Representing information on the venn diagram Solving for unknown	Interprets , represents and solves for unknown on the venn diagram	diagram -	-	-	-	Fountain 10-13	-
	8			Probability	Identifying the sample spaces Listing elements Finding probability	- Spells, reads, Pronounces and uses the words correctly	 Lists, finds, identifies, and finds probability 	-	- Do	-	Fountain pg 14- 16 Mk new edition 10-12	-
2	1		Whole numbers	Place and values	- Spells , reads , pronounces and uses the words correctly	 Finds the place values and values and uses operations. 	-	-	-	-	Mk new edition 14-15 Fountain 20-23 Curriculum pg 152-154	-
	2			Expanded form	Using values Using place values Using powers of tens and multiplies of ten Finding expanded numerals.	-	- Expands numbers using place values , powers of ten	-	-	-	Fountain 23-24 Mk new edition 16-17	-
	3				- Scientific notation /standard notation	-	 Writes numbers in scientific notation 	-	-	-		-
	4	NUMERACY		Expressing expanded numbers as single numbers	Expanded form of values, place values, exponents and multiples of ten	- Spells , read, pronounces and uses new words correctly	- Multiplies - Adds - Arranges values correctly	- Do	- Number cards - Real objects	- Do	Mk new edition 18-19 Mk old 38-39	-
	5	2		Writing numbers in words	- Finds place values - \writes numerals in words upto million	- Do	Finds place valuesWrites in words	- Do	- Do	- Do	Do	-
	6			Words in figures	Identifies place values Writes number words in figures Arranges and adds values correctly	- Do	Identifies place values Finds the number Arranges values	- Do	- Do	- Do	Mk old edition 47-48	-
	7			Rounding off	Identifying required place values Finding the nearest place values Rounding off whole numbers	- Do	Identifies nearest place values and requires place values Rounds off whole numbers	- Do	- Do	- Do	Mk old edition 48 Understanding 33-35	-

	8	Decim	nal - Place values	- Spells, reads,	Finds place values	- Do	- Do	- Do	Mk old edition	
		numb	ers - Values	pronounces, and uses new words correctly	And values of decimals				42-44	-
3	1	Writin decim word : figure	als in - Writing in words sand - Writing in figures	- Do	Finds place values Writes decimals in words and figures	- Do	- Do	- Do	Mk old edition 45-46	-
	2	Expar form o decim	of place values, values and powers of ten	- Do	Expands using values, place values and exponents	- Do	- Do	- Do		-
	3	Findir expar decim	nded adding, arranging	- Do	Multiples, divides, adds, and finds expanded numerals	- Do	- D	- Do	Do	-
	4	Order decim		- Reads, spells , pronounces and uses words correctly	Finds LCM Multiples and arranges in order	- Do	- Do	- Do	Tr' collection	-
	5	Round decim	ding off - One place decimal	- Do	Identifies place values and rounds off correctly	- Do	- Do	- Do	Mk old edition 48	-
	6	Roma	an - Expanding numbers	- Do	Expands Interprets and writes numerals to Hindu Arabic or roman numerals	- Do	- Do	- Do	Fountain 26-30	-
	7	Opera Roma nume		- Do	Changes to roman numerals or hind Arabic numerals Adds and subtracts	- Do	- Do	- Do	Mk old edition 50-51	-
	8	Bases	- U	- Reads - Pronounces - Uses new words in sentences	Counts in base two and five Names non decimal bases Converts to non decimals bases	- Do	- Do	- Do	Tr's collection	-
			Expanding Identifying place values Changing to decimal base	- Do	Identifies place values and changes to base ten	- Do	- Do	- Do	Tr's collection	-
4	1		Addition of bases Identifying place values Regrouping	- Do	Regroups Identifies place values and adds in bases	- Do	- Do	- Do	Tr's collection	-

	2			- Subtracting bases	- Do	Subtracts and	- Do	- Do	- Do	Tr's collection	I _
				Regrouping Identifying place values	20	multiplies				TT C COMPONION	
	3		Finite system	Multiplying bases Grouping numbers n finite system Dividing using finite Adding using dial method	- Spells , read, pronounces and uses new words correctly	Counts Groups Divides Multiplies And adds using	- Do	- Do	- Do	Mk old edition 245-253	-
	4			Multiplying in finite Regrouping using dial Subtracting in finite system	- Do	finite system Regroups and subtracts in finite system	- Do	- Do	- Do	Do	-
	5			Solving equation in finite system Dividing Finding the unknown	- Do	Solves equation in finite system	- Do	- Do	- Do	Do	-
	6			Application of finite Interpreting days and mass in finite system Finding past and future time in finite system	- Do	Interprets days and mass Finds past and future time	- Do	- D	- Do	Do	-
	7	S	Addition of whole numbers	Identifying place values Arranging Adding	- Spells, reads , pronounces and uses new words correctly	Identifies place values Arranges and adds whole numbers	- Cooperation - Effective communicati on - Creative thinking - Critical thinking - Problem solving	- Do	- Do	Understanding mtc 40-42	-
	8	OPERATIONS ON WHOLE NUMBERS	Subtraction	Identifying place values Arranging Subtracting	- Do	Identifies place values Arranges and subtracts whole numbers	- Do	- Do	- Do	Fountain 32-35	-
5	1	N WHOL	Multiplication	Arranging according to place values Regrouping Multiplying	- Do	Arranges Regroups Multiplies	- Do	- Do	- Do	New mk edition 27 Fountain 33-34	-
	2	ATIONS O	Division	Using long division Regrouping Multiplying Subtracting Dividing	- Do	Divides	- Do	- Do	- Do	New mk 29-30	-
	3	OPER	Word problem	Interpreting statement Writing mathematical	- Do	Interprets statements Writes	- D	- Do	- Do	Mk new 2-30 Fountain 37-38	-

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				statements - Dividing quantities -		mathematical statements Divides quantities					
	4		Mixed operation	- Using BODMAS	- Do	Interprets BODMAS correctly	- Do	- Do	- Do	New mk 37-32	-
	5		Properties of numbers	Commutative property Distributive property Associative property	- Do	Uses the properties correctly	- Do	- Do	- Do	Fountain 38-39	-
	6	Patterns and sequence	Divisibility tests	- Divisibility tests of 2, and 10 - Divisibility of 3,6, and 9 - Divisibility of 4 and 8	- Do	Finds numbers exactly divisible by 2, 5, 10, 3, 6, 9, and 4 and 8	- Do	- Do	- Do	New mk 34-36 Fountain 41-42	-
	7		Developing number patterns	Odd and even numbers Triangular , square and whole numbers Counting numbers	- Do	Lists and completes number patterns	- Do	- Do	- Do	Fountain 43-48 Mk new 37	-
	8		Prime and composite numbers	Listing prime numbers Composite numbers	- Do	Lists and identifies composite and prime numbers	- Do	- Do	- Do	Old mk 77-78	-
6	1		Consecutive numbers	Natural numbers Counting numbers Integers Forming equation Solving equation	- Do	Forms number patterns and equations Solves	- D	- Do	- D	Fountain 43-49	-
	2			Even numbers Odd numbers Forming and solving equations Finding consecutive numbers	- Do	Finds consecutive even and odd numbers	- Do	- Do	- Do	D	-
	3		Factors	Listing factors Common factors HCF, GCF	- Do	Lists factors Identifies common factors Finds GCF	- Do	- Do	- Do	Mk old 82-83	-
	4		Prime factorization	 Using multiplication Subscripts Powers Factor tree Ladder	- Do	Uses factor tree or ladder to prime factorise Writes prime factors accordingly	- Do	- Do	- Do	Mk old 86	-
	5		Finding prime factorised numbers	Multiplying Interpreting powers and subscripts Finding prime factorised numbers	- Do	Interprets factors and subscripts correctly Finds numbers correctly	- Do	- Do	- Do	Old mk 86	-
	6	PATTERNS AND SEQUENCES	Multiples of numbers	Listing multiples c Common multiples LCM	- Do	Lists /finds LCM Prime factorises numbers	- Do	- Do	- Do	Old mk 86-87	-

			- Prime factorizing							
	7	LCM and GCF	Prime factorizing Listing prime factors Showing prime factor s on the venn diagram Finding LCM and GCF	- Do	Finds LCm and GCF using a venn diagram	- Do	- Do	- D	Do	-
	8	Prime factors on the venn diagram	Finding the missing prime factors Finding the HCF and the LCM	- Do	Finds unknown factors Finds GCF and LCM	- D	- Do	- Do	Mk old 88-89	-
7	1	Application of GCF and LCM	Relationship between GCF and LCM Multiplying numbers	- Do	Multiplies Finds unknown numbers Applies LCM and GCF	- D	- Do	- Do	Mk old 85	-
	2	Application of LCM	Prime factorizing Multiplying intervals Finding common numbers	- Do	Prime factorise Multiplies Finds LCM Applies LCM	- Do	- Do	- Do	Do	1
	3	Powers of whole numbers	Finding number of powers Expressing number of powers Operation of powers	- Do	Interprets powers Expresses number of as powers	- Do	- Do	- Do	Tr's collection	
	4	Square of numbers	- Squares of - Whole numbers - Fractions - Mixed numbers - Decimals	- Do	Finds squares	- Do	- Do	- Do	Mk old 39-40	
	5	Square roots	Prime factorizing Writing prime factors Finding square roots	- Do	Prime factoises Writes prime factors In multiplication form Finds square roots	- Do	- Do	- Do	New mk 39 Tr's collection	
	6	Square roots of fraction	Finding prime factors Changing decimal to common fraction Mixed to common fraction Finds square roots	- Do	Do	- Do	- Do	- Do	Tr's collection	
	7	Application of square roots	Forming equations Prime factorizing Finding square roots	- Do	Forms equation Prime factorise Uses square roots	- Do	- D	- Do	Tr's collection	
	8	Cube and cube roots	Finding cubes Forming equations Finding cube roots	- Do	Finds cubes and cube roots	- Do	- Do	- Dod	Fountain 49	

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8	1			Sequences	Identifying types of number Finding number patterns Completing sequence	- Do	Identifies types of numbers Finds pattern numbers Completes the sequences	- Do	- Do	- Do	Do
	2			Puzzle and magic square	Forms puzzles Finding magic sum Completing magic squares	- Do	Forms magic square Completes magic square	- Do	- Do	- Do	Understanding mtc 74
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1	1	NUMERACY	Fraction	Addition	With same denominators Different denominators Mixed numbers	- Do	Adds fractions with same and different denominators	- Effective communicati on - Problem solving	- Do	- Do	Fountain 56-57 Understanding mtc 85
	2			Subtraction	With same and different denominators Mixed numbers	- Do	Subtracts fractions correctly	- Do	- Do	- Do	Fountain 58-60
	3			Addition and subtraction	Finding LCD Adding and subtracting fraction	- Do	Finds LCD Adds and subtracts fractions	- Do	- Do	- Do	Fountain 59
	4			BODMAS	Interpreting operation correctly Working out using MODMAS	- Do	Uses BODMAS to work out fractions	- Do	- Do	- Do	Do
	5			Multiplication	Whole numbers by fraction and vice versa Fraction by fraction	- Do	Multiplies fraction correctly	- Do	- Do	- Do	Fountain 60-61
	6			Division	Using LCM Using reciprocal Dividing fraction	- Do	Finds reciprocals and divides fractions	- D	- Do	- Do	New mk 46-47
	7				Fraction by whole numbers and vice versa Fraction by fraction Mixed by mixed fraction	- Do	Divides fractions using LCM and reciprocal	- Do	- Do	- Do	New mk 49-50
	8			Mixed operations	Applying BODMAS Simplifying fractions	- Do	Uses BODMAS and simplifies fraction correctly	- Do	- Do	- Do	Fountain 62-64
2	1			Decimals	Adding decimals Adding and subtracting decimals	- Do	Adds and subtracts decimals correctly	Do	- Do	- Do	Old mk 14
	2				BODMAS on decimals Adding and subtracting	-	Do		-	-	

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	3		Multiplication	Decimal by whole numbers and vice versa Decimal by decimal	- Do	Multiplies writes decimals correctly	Do	- Do	- Do	O;dmk 116-118
	4		Division	Changing to common fraction Finding reciprocal Dividing decimals Simplifying	- Do	Changes Simplifies Decimals	Do	- Do	- Do	Fountain 72
	5		Operation on decimals	Changing to common fraction Introducing brackets Adding or subtracting Simplifying decimals	- Do	Workouts decimals with mixed operations	Do	- Do	- Do	New mk 61-65
	6		Word problem	Interpreting word problems Multiplying and dividing decimals	- Do	Interprets and works out word problems	Do	- Do	- Do	Fountain 73-74
	7	Ratios and proportions	Ratios	Forming ratios Expressing ratios as fractions Fractions as ratios	- Do	Forms ratios correctly	Do	- Do	- Do	Ne mk 66-67
	8			Quantities as ratios Ratios as fraction and vice versa	- Do	Writes ratios correctly	Do	- Do	- Do	Fountain 77-78
3	1		Sharing in ratios	Finding total parts Finding shares	- Do	Finds shares of different parts	Do	- Do	- Dod	Fountain 80-81
	2		Finding shared quantity	Finding total share Finding equivalent of shares Finding the shared quantity	- Do	Fins the quantity shared	Do	- Do	- Do	Old mk 133-135
	3		Increasing and decreasing quantities	Finding fraction of increase and decrease Finding quantity of decrease and increase	- Do	Increases and decrease quantities correctly	Do	- Do	- Do	Old mk 12-130
	4		Ratio of increase and decrease	Expressing quantities as fraction Simplifying fractions Writing ratios in simplest form	- Do	Writes quantities as ratios in simplest form	Do	- Do	- Do	Fountain 79-80
	5		Application of ratios	Applying ratios in solving daily life situations	- Do	Shares quantities using the given ratios	Do	- Do	- Do	Fountain 82-83
	6		Proportions	Direct proportion Constant proportion	- Do	Applies direction proportion and constant proportion	Do	- Do	- Do	Fountain 82-83

	7		- Indirect and inverse proportion	- Do	Interprets and applies indirect proportion	Do	- Do	- Do	Old mk 71
	8	Percentages	Meaning of %ages%age as fractionFractions as %ages	- Do	Changes %ages to fractions and vice versa	Do	- Do	- Do	Understanding mtc 113
4	1	Decimal as %ages	Decimals as %ages %ages as decimals Ratios as fractions	- Do	Converts decimals to %ages Converts ratios as fraction	Do	- Do	- Do	Do
	2	Parts of %ages	Finding partsForming equationsSolving equations	- Do	Finds, forms and solves equations	Do	- Do	- Do	Understanding mtc 115-116
	3	Quantities as %ages	Finding quantities as %age Finding %ages as quantities involving conversion	- Do	Finds equivalent to %age Converts units	Do	- Do	- Do	Old mk 145
	4	Quantities as %age of others	Changing to other units Finding the %age equivalent	- Do	Changes units and finds %ages	Do	- Do	- Do	New mk 75-77
	5	Sharing in %ages	Changing %ages to fraction Multiplying %age by quantity	- Do	Changes %age to fraction Shares quantities	Do	- Do	- Do	Old mk 150
	6	Algebra on %age	Forming equation Changing %age to fraction Finding the number shared	- Do	Forms and solves equations	Do	- Do	- Do	old mk 152-153
	7	%age increase and decrease	Increasing Decreasing and finding discount Using %ages Finding quantity of decrease and increase	- Do	Increase S and decreases quantity correctly	Do	- Do	- Do	Fountain 85
	8	Finding %age decrease and increase	Finding quantity of increase and decrease Finding %age increase and decrease	- Do	Finds %age increase and decrease	Do	- Do	- Do	Fountain 86-87
5	1	%age profit and loss	Finding profit Finding loss Calculating %age profit and loss	- Do	Finds profit , loss and their %ages	Do	- Do	- Do	Do
	2	Simple interest	Identifying principal rate and time Finding simple	- Do	Identifies and calculates simple interest	Do	- Do	- Do	Fountain 88 New mk 83

					interest						
	3	Interpretation of graphs and data handling	Data handling	Collecting and organization data	- Finding amount - Collecting and recording data - Grouping data - Tabulating data - Drawing a bar graph	- Do	Collects , records, tabulate and draws a bar graph	- Critical thinking - Effective communica tion - Cooperation - Problem solving	- Do	- Do	New mk 85-86 Fountain 92
	4			Line graphs	Drawing line graphs Interpreting line graphs Finding scale	- Do	Interprets , draws, and finds scale	Do	- Do	- Do	Fountain 102 Old mk 167-168
	5			Mode, median, mean, range	- Finding the mode, median, range and mean	- Do	Finds mode, median, range and mean	Do	- Do	- Do	Do
	6			Grouped data	Drawing frequency table Interpreting grouped data Finding mean, mode, median using grouped data	- Do	Draws interprets frequency tables	Do	- Do	- Do	Tr's collection Old mk 172-173
	7			Application of mean	Forms equations Collects like terms Finds unknown using mean	- Do	Forms and solves equations using mean	Do	- Do	- Dod	Do
	8				Inverse problem on average Finding totals	- Do	Finds total using average	Do	- Do	- Do	Do
6	1			Pie charts	Drawing pie charts Interpreting and completing sectors	- Do	Draws Interprets and completes pie chars correctly	Do	- Do	- Do	New mk 94-97
	2				Drawing pie charts Interpreting pie charts with %ages Finding unknown sectors	- Do	Draws , finds unknown sector on a pie chart	Do	- Do	- Do	Fountain 93-97
	3				- Finding unknown values on the pie chart - Form an equation using the equivalent values	- Do	Identifies equivalence and completes the pie chart	Do	- Do	- Do	Tr's collection
	4			Drawing pie chart	Changing fractions to degrees Changing %ages to degrees Drawing accurate pie	- Do	Draws pie chart using degrees	Do	- Do	- Do	New mk 99

					chart						
	5			More about pie charts	Finding total quantity Changing quantities to degrees Drawing accurate pie chart	- Do	Do	Do	- Do	- Do	Old mk 184-188
	6			Coordinate graph	Plotting Joining Naming shape Finding area And perimeter	- Do	Plots, names, shapes, and finds area and perimeter	Do	- Do	- Do	Do
	7			Money	Identifying different currencies Finding number of notes Finding the amount equivalent to the denomination	- Do	Identifying currencies Finds number of bank notes	Do	- Do	- Do	Doldmk 217- 218
7	3	Distance , time and speed		Local and foreign currencies	Converting local currency to foreign currency Drawing and use of forex rate table	- Do	Converts local currency to foreign currency and vice versa	- Effective communicati on - Interpersonal relationship - Problem solving - Decision making	- Do	- Do	Fountain 117 Understanding mtc 180-181
	2		Time	Conversion of time	- 12 hr clock to 24 hr clock - 24 hr clock to 12 hr clock	- Do	Convers time in 24 hr clock and 12 hr clock	Do	- Do	- Do	Tr's collection
	3			Finding duration	Converting to 24 hr clock Finding duration in hrs and minutes	- Do	Converts to 24 hr clock Finds duration in hrs and minutes	Do	- Do	- Do	Olmk 224-225
	4			Distance	Finding distance with hours, minutes and km/hr on duration	- Do	Finds distance in conjunction with minutes and hours	Do	- Do	- Do	New mk 112
	5			Time	Finding time in hrs using speed and distance	- Do	Finds time using speed and time	Do	- Do	- Do	Understanding mtc 121-128
	6			Speed	Finding speed using time in hours and minute s Fidning speed in km/hrs	- Do	Finds speed using time in minutes and hours	Do	- Do	- Do	New mk 114- 116
	7				Expressing km to m Hours to seconds Finding speed in m/sec	- Do	Converts km/hr to m/sec Finds speed in m/sec	Do	- Do	- Do	Old mk 237-238

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	8			- Converting m to km - Changes sec to hours - Converting m/sec to km/hr	- Do	Converts m to km, sec to hrs and m/sec to km/hr	Do	- Do	- Do	Do
8	1		Average speed	Finding total distance covered Finding total time Finding average speed	- Do	Finds distance, time, and average speed	Do	- Do	- Do	Old mk 235 Understanding 190-191
	2		Travel graph	Drawing travel graph Finding scales Completing travel graph Showing movement on the travel graph Finding average speed	- Do	Draws and finds scale Finding average speed	Do	- Do	- Do	New mk 115- 120
					P.6 MTC SCHE	ME TERM III				
	<u> </u>	Length,	Conversion of	- Km to m	- Do	Converts metric	Do	- Do	- Do	Old mk 313-315
1	·	mass and capacity	metric units	- M to cm - Cm to mm - Km to cm - Dm to cm	20	unites correctly				
	2			- M to km - Cm to m - Mm to cm - Cm to km - Cm to dm	- Do	Do	Do	- Do	- Do	Do
	3		Perimeter	Finding missing sidesIdentifying shapesCalculating perimeter	- Do	Identifies shapes and finds perimeter	Do	- Do	- Do	Old mk 320
	4		Area	- Identifies shapes - Finding area of a square - Finding sides of a square using area - Using area of a square to find perimeter	- Do	Finds area and perimeter of a square	Do	- Do	- Do	New mk 125
	5			- Finding area of a rectangle - Finding length and width using area - Using perimeter to find area	- Do	Finds area of a rectangle side	Do	- Do	- Do	New mk 122- 123
	6		Area and perimeter	Identifying equal signs Finding unknown Finding length and	- Do	Forms and finds unkwnon length Finds perimeter and area	Do	- Do	- Do	New mk 123- 125 Old mk 334

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				width - Calculating perimeter and area of a rectangle and square						
	7		Difference of area	Finding are of inner and outer shapes Finding shaded or unshaded regions	- Do	Finds area of inner and outer shapes Finds shaded and unshaded regions	Do	- Do	- Do	Old mk 336-337
	8		Triangles	Finding area of a triangle Finding base or height of a triangle	- Do	Finds area, base or height	Do	- Do	- Do	Understanding mtc 267-263 Fountain 135- 136
2	1		Comparing area	Identifying base and height of triangles Finding base or height using area	- Do	Identifies base and heights of triangles, Finds base or height	Do	- Do	- Do	Olfmk 342
	2		Combined figures	Finding area of separate figures Calculating area of combined figures	- Do	Finds area of combined figures correctly	Do	- Do	- Do	Understanding mtc 258 Old mk 343
	3		Trapezium	Types of trapezium Properties Finding sides of a trapezium Finding sides of a trapezium using area	- Do	Names types of trapezium Finds area and types of trapezium	Do	- Do	- Do	New mk 128 Old mk 344-346
	4		Parallelogram	- Finding area - Finding base and height using area	- Do	Finds area and sides of a parallelogram	Do	- Do	- Do	New mk 129 Old mk 347
	5		Rhombus and kite	Stating properties Finding area of a kite Calculating	- Do	States properties and calculates area	Do	- Do	- Do	New mk 130
	6	Circle	Circumference	Finding radius and diameter Identifying pie Calculating circumference	- Do	Names parts of a circle and finds circumference	Do	- Do	- Do	New mk 133
	7		Perimeter and circumference of sectors	Identifying radius and diameter Finding circumference Calculating perimeter	- Do	Identifies radius and diameter Finds circumference and perimeter of sector s	Do	- Do	- Do	Do
	8		Area	Identifying radius Finding area using 22/7 or 3.14 Finding area of some sectors	- Do	Identifies radius and finds area of circles and some sectors	Do	- Do	- Do	DI

	1 1		1	TOTAL	- Identifying prisms	- Do	Identifies s prisms	Do	- Do	- Do	Old mk 348-351
3	'			surface area	- Calculating TSA	- 50	and finds the total surface area	D0	- 50	- 50	Old IIIk 340-331
	2			Sides of a cube and cuboid	Forming equations using TSA Applying TSA to find sides and volume	- Do	Uses TSA to find sides and volume of cubes and cuboid	Do	- Do	- Do	New mk 137
	3			Cylinder	Naming parts Identifying radius Finding volume using base area and height	- Do	Names, identifies and finds volume	Do	- Do	- Do	Old mk 356-360
	4			Capacity	Finding volume Finding capacity using volume	- Do	Finds volume and capacity	Do	- Do	- Do	Fountain 139- 141
	5			Application of volume and capacity	Changing capacity to volume Suing volume to finds sides Calculating capacity	- Do	Changes capacity to volume Uses volume to find sides Calculates capacity	Do	- Do	- Do	Old mk 359-360
	6			Capacity	- Litres to ml - L to cm ³ - Ml to l - Cm ³ to l	- Do	Changes litres to milliliters Litres to cm³ and vice versa	Do	- Do	- Do	Old mk 360-364
	7	Lines, angles and geometrical figures	Geometry	Shapes and lines	Types of lines Drawing and measuring lines segments Drawing parallel lines Constructing perpendicular lines	- Do	Draws , measures lines Constructs lines	Do	- Do	- Do	Fountain 152- 153
	8			Angles	Drawing and forming angles Measuring angles using different scales on a protractor.	- Do	Draws, forms and measures angels	Do	- Do	- Do	Fountain 147- 151new mk 147-149
4	1			Bisection of angles	Bisecting lines at a point Dropping bisectors Bisecting given angles	- Do	Bisects and draw lines	Do	- Do	- Do	Fountain 147- 151
	2			Constructing angles	- Drawing lines - Constructing ARCs - Showing angles - Constructing angles of 30°, 45°, 60°, 90°	- Do	Draws, constructs angles	Do	- Do	- Do	New mk 147- 149 Old mk 288-291
	3			Constructing polygons	Types of triangles Drawing sketch Drawing lines Measuring lengths Constructing triangles with SSS	- Do	Draws, sketch lines and triangles	Do	- Do	- Do	Understanding mtc 237

	4	Const triangl	ructing - Drawing sketch - Drawing and measuring side: - Constructing an - Constructing a triangle with SAS,SSA and A	s gles	Draws, measures lines and angles	Do	- Do	- Do	Understanding mtc 230-231
	5		Drawing sketch Measuring one Constructing tw angels Constructing a triangle with AA	- Do side o	Measures and constructs triangles	Do	- Do	- Do	Do
	6		tructing - Square, rectang ilaterals - State properties - Find the diagon	ele - Do sals	Constructs a square, rectangle and state the properties	Do	- Do	- Do	Tr's collection
	7		- Hexagon , octa; and pentagon - Finding centre a - Finding perimet	angel er	Constructs, hexagon, pentagon, and octagon correctly	D	Do	- Do	Fountain 155- 156 New mk 165
	8	Prope	erties of - Equilateral trian ons - Isosceles triang - Scalene triangle - Right angled tria - Square, parallelogram - Trapezium and	es es angles	States properties of polygons	Do	Do	- Do	Tr's collection
5	1	Pythai theore		nes :	Applies piethogorus theorem correctly	Do	Do	- Do	Fountain 157 Old mk 299-300
	2	Applic pythag theore		ngle e , vtunes	Finds sides of an isosceles Finds its base , height and hypotunes	Do	Do	- Do	Tr's collection
	3	Types angles	- Acute , reflex ar centre - Supplementary complementary angles	and	Identifies and finds complements and supplements of angles	Do	D	- Do	Fountain 146
	4	Suppli angels	ementary - Unknown s supplementary angles - Forming equation	- Do	Finds supplements of angles	Do	Do	- Do	New mk 144

	1	т т		A contact that the other sale			ı			
				- Angels in the triangle						
	5		Angels on	Finding supplementsDrawing parallel lines	- Do	Draws parallel	Do	Do	- Do	Old mk 267-273
			parallel lines	in sketch form - Drawing transversal		lines, Identifies co-				
				line		interior angels and				
				 Co-interior angels 		co exterior angels				
				- Co-exterior angels			_			
	6			- Alternate interior	- Do	Identifies the angle	Do	Do	- Do	Tr's collection
				angles - Alternate exterior		properties on parallel lines				
				angles		paraller lines				
				- Corresponding						
				angles						
				- Vertically opposite						
				angles						
	7		Angle	- Equilateral triangle	- Do	Applies the angle	Do	Do	- Do	Tr's collection
			properties	- Isosceles triangle		properties on				
				The sum of two interior angles is		triangles				
				equal to its opposite						
				exterior angels						
^	1	Integers	Number line	- Additive inverse	- Do	Draw, names and	Do	Do	- Do	Old mk 197-198
6				- Naming arrows		finds additive				
•				- Drawing arrow		inverse				
				- Drawing a number						
				line						
	2		Ordering	Finding inverseComparing integers	- Do	Compares and	Do	Do	- Do	New mk 168-
	-		integers	- Ascending order	20	arranges integers				167
				- Descending order						
	3		Addition	- Positive to a positive	- Do	Adds integers with	Do	Do	- Do	Tr' collection
				 Positive to a negative 		or without a				
				- Negative to a		number line				
				negative						
				 Negative to a positive Using a number line 						
	4		Subtraction	- Positive from a	- Do	Subtracts integers	Do	Do	- Do	Tr's collection
	-		Oubliaction	positive	- 50	with or without	D0		- 50	11 3 concentori
				- Positive from a		number line				
				negative						
				 Negative from a 						
				negative						
				- Negative from a						
				positive - Using a number line						
	5		Multiplication	- Finding groups	- Do	Multiplies integers	Do	Do	- Do	Old mk 205
			Manaphoduon	- Showing groups on a	50	correctly			50	Jid Hill 200
				number line						
				- Multiplying integers						
				with or without a						

					number line						
	6			Solution sets	Drawing a number line Interpreting set of integers Showing set of integers on a number line Finding solution sets	- Do	Finds the solution set	Do	Do	- Do	Old mk 207-210
	7			Inequalities	Solving inequalities Showing on a number line Finding the solution set	- Do	Solves and finds solution sets correctly	Do	Do	- Do	Do
7	1	ALGEBRA	Algebra	Algebraic expression	Writing phrase Adding , subtracting , multiplying , dividing and use f brackets	- Do	Uses different operations to write algebraic expression	Do	Do	- Do	Fountain 187 Old mk 374-375
	2			Substitution	Expanding algebraic expression Substituting Finding values	- Do	Expands, substitute and finds values	Do	D	- Do	New mk 180- 183
	3			Like terms	Collecting like terms Simplifying like terms Applying perimeter Finding perimeter	- Do	Collects and simplifies like terms	Do	Do	- Do	Do
	4			Removing brackets	Multiplying Substituting Simplifying Finding values of unknown	- Do	Removes brackets Substitutes and simplifies	Do	Do	- Do	Fountain 188- 189
	5			Forming equation	By adding Subtracting and multiplying	- Do	Forms different equations \solving equations	Do	Do	- Do	Ldmk 380-381
	6			Solving equation by dividing	Forming equations Collection like terms Simplifying like terms Finding unknown Solving equation	- Do	Forms, collects, simplifies and solves equation	Do	Do	- Do	New mk 184- 185
	7			Fractional equation	Collecting like terms Finding LCD Solving equation Finding unknown	- Do	Collects like terms And solves equations	Do	Do	- Do	New mk 186
	8			Application of algebra	Using area of a square , rectangle, and triangle Using perimeter of a square , rectangle and triangle	- Do	Applies area and perimeter using algebra	Do	Do	- Do	New mk 188- 189

8	1			quations with rackets	Removing brackets Collecting like terms Solving Finding unknown	- Do	Removes , collects and solves equation	Do	Do	- Do	New mk 199 Old mk 395-396	
	2			pplication of Igebra	 Identifying properties of polygon Forming equation Solving equation Finding sides area and perimeter of polygon 	- Do	Forms, solves, and finds area of different polygons	Do	Do	- Do	Tr' collection	
		Revision										