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	**SETS**	**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 communication - Interpersonal relationship	- Real objects - Flash cards - Charts - Containers - Counters - Stones - Sticks - Abacus - Papers	- creative thinking - Effective communication - 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				- Difference of set - Shading regions - Complements of sets	-	- Finds difference of sets - Shades regions - Finds complements of sets	- Do	- Do	- Do	Do	-
	4				- 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	-

							the venn diagram					
	7				- Interpreting word problems - Representing information on the venn diagram - Solving for unknown	- Interprets , represents and solves for unknown on the venn 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	**NUMERACY**	**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			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			Writing numbers in words	- Finds place values - \writes numerals in words upto million	- Do	- Finds place values - Writes 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			Decimal numbers	- Place values - Values	- Spells, reads, pronounces, and uses new words correctly	Finds place values And values of decimals	- Do	- Do	- Do	Mk old edition 42-44	-
3	1			Writing decimals in word sand figures	- Finding place value s - Writing in words - Writing in figures	- Do	Finds place values Writes decimals in words and figures	- Do	- Do	- Do	Mk old edition 45-46	-
	2			Expanded form of decimals	- Expanding using place values, values and powers of ten	- Do	Expands using values, place values and exponents	- Do	- Do	- Do		-
	3			Finding expanded decimals	- Multiplying , dividing, adding, arranging and finding expanded numbers	- Do	Multiples, divides, adds, and finds expanded numerals	- Do	- D	- Do	Do	-
	4			Ordering decimals	- Ascending and descending - Finds LCM - Multiplying	- Reads, spells , pronounces and uses words correctly	Finds LCM Multiples and arranges in order	- Do	- Do	- Do	Tr' collection	-
	5			Rounding off decimals	- One place decimal - Two place decimals - Three place decimals and whole numbers	- Do	Identifies place values and rounds off correctly	- Do	- Do	- Do	Mk old edition 48	-
	6			Roman numerals	- Expanding numbers - Writing Hindu to Roman numerals to 1000 - Writing roman to Hindu Arabic numerals	- Do	Expands Interprets and writes numerals to Hindu Arabic or roman numerals	- Do	- Do	- Do	Fountain 26-30	-
	7			Operation on Roman numerals	- Changing roman to hindu Arabic ans vice versa - Adding and subtracting	- Do	Changes to roman numerals or hind Arabic numerals Adds and subtracts	- Do	- Do	- Do	Mk old edition 50-51	-
	8			Bases	- Counting in base two and five - Naming non decimal base - Converting to non decimal bases	- 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 - Regrouping - Identifying place values - Multiplying bases	- Do	Subtracts and multiplies	- Do	- Do	- Do	Tr's collection	-
	3			Finite system	- Grouping numbers n finite system - Dividing using finite - Adding using dial method - Multiplying in finite	- Spells , read, pronounces and uses new words correctly	Counts Groups Divides Multiplies And adds using finite system	- Do	- Do	- Do	Mk old edition 245-253	-
	4				- Regrouping using dial - Subtracting in finite system	- Do	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	**OPERATIONS ON WHOLE NUMBERS**		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 communication - Creative thinking - Critical thinking - Problem solving	- Do	- Do	Understanding mtc 40-42	-
	8			Subtraction	- Identifying place values - Arranging - Subtracting	- Do	Identifies place values Arranges and subtracts whole numbers	- Do	- Do	- Do	Fountain 32-35	-
5	1			Multiplication	- Arranging according to place values - Regrouping - Multiplying	- Do	Arranges Regroups Multiplies	- Do	- Do	- Do	New mk edition 27 Fountain 33-34	-
	2			Division	- Using long division - Regrouping - Multiplying - Subtracting - Dividing	- Do	Divides	- Do	- Do	- Do	New mk 29-30	-
	3			Word problem	- Interpreting statement - Writing mathematical	- Do	Interprets statements Writes	- D	- Do	- Do	Mk new 2-30 Fountain 37-38	-

					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 sequences**	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	-
	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	

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	
	TERM II											
1	1	**NUMERACY**	**Fraction**	Addition	- With same denominators - Different denominators - Mixed numbers	- Do	Adds fractions with same and different denominators	- Effective communication - 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		-	-		

	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 fraction - Fractions 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 parts - Forming equations - Solving 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 - Finding amount							
	3	**Interpretation of graphs and data handling**	**Data handling**	Collecting and organization data	- 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 communication - 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	

	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 SCHEME TERM III											
1	1		**Length, mass and capacity**	Conversion of metric units	- Km to m - M to cm - Cm to mm - Km to cm - Dm to cm	- Do	Converts metric unites correctly	Do	- Do	- Do	Old mk 313-315	
	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 sides - Identifying shapes - Calculating 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	

					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	Dl	

3	1			TOTAL surface area	- Identifying prisms - Calculating TSA	- Do	Identifies s prisms and finds the total surface area	Do	- Do	- Do	Old mk 348-351	
	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 cm^3 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 30^0, 45^0, 60^0, 90^0	- 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			Constructing triangles	- Drawing sketch - Drawing and measuring sides - Constructing angles - Constructing a triangle with SAS,SSA and ASS	- Do	Draws, measures lines and angles	Do	- Do	- Do	Understanding mtc 230-231	
	5				- Drawing sketch - Measuring one side - Constructing two angels - Constructing a triangle with AAS	- Do	Measures and constructs triangles	Do	- Do	- Do	Do	
	6			Constructing quadrilaterals	- Square, rectangle - State properties - Find the diagonals	- Do	Constructs a square , rectangle and state the properties	Do	- Do	- Do	Tr's collection	
	7				- Hexagon , octagon and pentagon - Finding centre angel - Finding perimeter	- Do	Constructs, hexagon, pentagon, and octagon correctly	D	Do	- Do	Fountain 155-156 New mk 165	
	8			Properties of polygons	- Equilateral triangles - Isosceles triangles - Scalene triangles - Right angled triangles - Square, parallelogram - Trapezium and kite	- Do	States properties of polygons	Do	Do	- Do	Tr's collection	
5	1			Pythagoras theorem	- Proving Pythagoras theorem - Finding hypotones height and base using Pythagoras theorem	- Do	Applies piethogorus theorem correctly	Do	Do	- Do	Fountain 157 Old mk 299-300	
	2			Application of pythagorus theorem	- Finding equal sides of isosceles triangle - Substituting - Fidning the base , height and hypotunes - Calculating area and perimeter	- D	Finds sides of an isosceles Finds its base , height and hypotunes	Do	Do	- Do	Tr's collection	
	3			Types of angles	- Right angels - Acute , reflex and centre - Supplementary and complementary angles	- Do	Identifies and finds complements and supplements of angles	Do	D	- Do	Fountain 146	
	4			Supplementary angels	- Unknown supplementary angles - Forming equations	- Do	Finds supplements of angles	Do	Do	- Do	New mk 144	

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

					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			Equations with brackets	- 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			Application of algebra	- 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											