<u>yameanan</u>	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Co.	Core Numbers - Step 10 Pg 55 - understand numbers with different dp nting Along (Step 7) Pg 91 - End the gap between negative and positive numbers	Core Numbers - Step 10 Pg Counting Along (Step 7) Pg 91	55 - understand numbers with different dp - find the gap between negative and positive		
		Use negative numbers in context, and calculate intervals across zero				
	Read, w	ite, order and compare numbers up to 10 000 000 and determine the value of each digit.				
	Read, write, order and compare numbers up to 10 000 000 mml	Demonstrate on understanding of place value, including large numbers and decimals (e.g. what is the value of the 7 in 276,5412); find the difference between the largest and smallest whole numbers that can be made from	Round anywhole number to a required degree of accuracy	Solve number and practical problems that involve all of the above.	Round any whole number to a required degree of accuracy	
	determine the value of each digit	using three digits; 28.13 - 28 - 3 - 0.033	Descention *****	Harmon and the second second second second	false and so the second	
		2813 = 28 + 7 = 0.03).	Demonstrate on understanding of place value, including large numbers and	Use negative numbers in context, and calculate intervals across zero	Solve number and practical problems that involve all of the above.	
			decimals (e.g. what is the value of the		The above,	
			7 in 276,5412; find the difference between the beset and conflict whole			
			numbers that can be made from using three digits;			
Number			28,13 = 28 + 7 = 0,03).			
	Calculate mentally, using	efficient strategies such as manipulating expressions using commutative and distributive prop	rties to simplify the calculation (+ 7 = 8)	(eg. 53 - 82 + 47 = 53 + 47 - 82 = 100 - 82 =	18; 20 • 7 • 5 • 20 • 5 • 7 • 100) = 7 = 700; 53 + 7 = 3 + 7 = (53 = 3) + 7 = 56
		Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication	Divide numbers up to 4 digits by a two-digit whole number	Divide numbers up to 4 digits by a two- digit number using the formal written		
			method of long division, and interpret remainders as whole	method of short division where appropriate, interpreting remainders according to the context		
		Telephile common factors, common withinks and mine work to -	number remainders, fractions, or by rounding, as appropriate	Salar addition and solution "	Die formel weben to the	Use estimation to charge animate to
	Performmental calculations, including		order of operations to carry out calculations involving the	problems in contexts, deciding which operations and methods to use and why	multi step problems	calculations and determine, in the context of a problem, an appropriate degree of
	with mixed operations and large numbers		four operations Colculate mentally, using			w
			efficient strategies such as manipulating expressions using			
			properties to simplify the calculation (e.g. 53 - 82 + 47 =			
			53 + 47 - 82 + 100 - 82 + 18; 20 + 7 + 5 + 20 + 5 + 7 + 100 + 7 + 700; 53 + 7 + 3 + 7 + 749			
	Addition - Pg 257- Step		+3)+7+56+7+8)			
Calculation Addition &	39 - addition with several numbers; Step 40 Pg 268 - 2dp + 1dp	Shap-40 Ptg 268 - 3xbp + 1xbp, Shap-41, Ptg 269 - any 2xbp + 1xbp				
**********		Subtraction - Step 37 - Pg 323 - subtract numbers with different places				
	Addition Step 11 Pg 19 - add no's with 1dp; Step 12- add with 34v	Addition Step 13 Pg 20 - add no's with 3dp; Step 14- add no's with mixed amount of op				
Column Methods Addis Salar	Subtraction Step 9 Pg 28					
~~iabubt	- no's with 1dp; Step 10- 2dp	Subtraction Step 11 Pg 28 - nois with 3dp; Step 12 Pg 29 subtract with mixed amount of dp.				
	Step 17 Pg 361 - 1d x	Run 18 Dr 198 - 14 e 14 24n				
Calculation Multiplication &	td.1dp	annen - grande - 1920 Nadalage				
Unvision	Step 32 Pg 391 - use table facts to find decimal					
Column Methods	Shep 7 Pg 37 - 4d x2d; Shep 8 - 1d.1dp x1d	wwp.ex.rg.exe-sussed #2.01 more table techs to solve decimal division Step 9 Pg 38-1d.2dp.x1d; Step 10-1ddp.x2dp; Step 11 Pg 39-1d.2dp.x2dp				
multiplication & Division	Step 8 Pg 47 3d+ at, step	Step 10 Pg 49 - division with decimal places in an answer Associate a fraction excitation with division and calculate decimal fraction excitatents (e = 0.9751 for =	Identify the value of each	Multiply one-digit numbers with up to two	Solve problems which	Recall and use equivalences between simple
		simple fraction (e.g. 3/8) and characteristic contrasts of the equivalence $\{e,g,d,3/5\}$ for a	digit in numbers given to three decimal places and multiply and	decimal places by whole numbers	require answers to be rounded to specified degrees	fractions, decimals and percentages, including in different contexts,
			unvote numbers by 10, 100 and 1000 giving answers up to three decimal places		of accuracy	
	Colculate using fractions, decimals or	Divide proper fractions by whole numbers (e.g. 1/3 + 2 + 1/6)	Recognise the relationship between fractions, decimals	Multiply simple pairs of proper fractions, writing the answer in its simplest form.	Recognise the relationship between fractions, decimals	
	percentages (e.g. knowing that 7 divided by 21 is the		and percentages and can express them as equivalent quantities (e.g. one piece of	(mg 1/4 × 1/2 + 1/8)	and percentages and can express them as equivalent quantities (e.g. one piece of	
	same as 7/21 and that this is equal to 1/3; 15% of 60: 11.2 = 3.4		cake that has been cut into 5 equal slices can be expressed as 1.5 or 0.2 - 20 ¹⁰		cake that has been out into 5 equal slices can be	
	7 9 of 108; 0,8 × 70)	Associate a fraction with division and calculate decimal fraction equivalents [e.g. 0.375] for a	whole cake). Divide proper fractions by	Associate a fraction with division and	wyreasea ai 1 5 or 0.2 or 20% of the whole cake)	
Fractions	<u> </u>	simple fraction (e.g. 3/8)	whole numbers (e.g. 1/3 + 2 = 1/6)	calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. 3/8)		
		Solve problems which require answers to be rounded to specified degrees of accuracy	Multiply one-digit numbers with up to two decimal places by whole portions	Compare and order fractions, including fractions + 1 Use common factors to simplify fractions: use common miltiol to-		
	Recognise the	Compare and order fractions, including fractions + 1 Use common factors to $sime^{i \beta \omega}$	Calculate using fractions	express fractions in the same	Calculate using fractions.	
	relationship between fractions, decimals	fractions; use common multiples to express fractions in the same denomination	decimals or percentages (e.g. knowing that 7 divided by 21 is the same - 7/91	denominators and mixed numbers using the concept of equivalent fractions.	decimals or percentages (e.g. knowing that 7 divided by 21 is the same of 7/2	
	con express them as equivalent quantities		this is equal to 1/3; 15% of 60; 11 2 + 3 4; 7 9 of 108; 0,8 x		this is equal to 1/3; 15% of 60; 11 2 + 3 4; 7 9 of 108;	
	(e.g. one piece of cake that has been cut into 5 equal slices can be		70)		0.8 × 70)	
	expressed as 1.5 or 0.2 or 20% of the		Solve problems involving			
			unequal sharing and grouping using knowledge of fractions			
Ratio and	Solve problems involving the relative	Solve problems involving the calculation of percentages (for example, of measures, and such as 15% of 360) and the use of percentages for comparison	Solve problems involving similar shapes where the scale	Solve problems involving the calculation of percentages [for example, of measures,	Solve problems involving the calculation of percentages	
Proportion	sizes of two quantities where missing values can be found by using		factor is known or can be found	and such as 15% of 360] and the use of percentages for comparison	(for example, of measures), and such as 15% of 360) and the use of percentases for	
	integer multiplication and division facts				comparision	
	Generate and describe linear number	Substitute values into a simple formula to solve problems (e.g. perimeter of a rectangle or area of a triangle).	Generate and describelinear number sequences	Substitute values into a simple formula to solve problems (e.g.	Use simple formulae	
	Sequences		End minute Provide a 1911	perimeter of a rectangle or area of		European mission
Algebra	use simple tormulae	U.M. Annyon FOR TRUDE	rind pairs of numbers that satisfy an equation with two unknowns	crumerate possibilities of combinations of two variables.	Substitute values into a simple formula to solve	cxpress missing number problems algebraically
					problems (e.g. perimeter of a rectangle or area of a televolc)	
	Calculate the area of	Calculate, estimate and compare volume of cubes and cuboids using standard units, including	Calculate the area of	Calculate, extimate and compare volume of	a mange). Calculate the area of	
	parallelograms and triangles	cubic certimetres (cm ²) and cubic metres (m ²), and extending to other units [for example, mm3 and km].	parallelograms and triangles	cubes and cubeids using standard units, including cubic continentres (cm ²) and cubic metres (m ²) and and	parallelograms and triangles	
		Solar problem incluion the calculation and commution of the second		units (for example, mm3 and km).		
	Calculate with measures (e.g.	unity united interving the coordination and conversion of unity of measure, using decinal notation up to 3 decinal places where appropriate	Colorista and Constanting of Colorist	and conversion of units of measure, using decimal notation up to 3 decimal place	Caladata Marine 1	
Measuring	calculate length of a bus journey given start and end times		Calculate with measures (e.g. calculate length of a bus journey given start and end	where oppropriate	Calculate with measures (e.g. calculate length of a bus journey given start and and	
-	convert 0.05km into m and then into cm).		times; convert 0,05km into m and then into cm).		times; convert 0.05km into m and then into cm).	
	Calculate with measures (e.g.	Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate	Solve problems involving the calculation and conversion of units of measure, using degrand	Convert between miles and kilometres	Recognise that shapes with the same areas can have different perimeters and	Recognise when it is possible to use formulae for area and volume of shapes
	colculate length of a bus journey given		wers of medsiure, using decimal notation up to 3 decimal places where appropriate.		wy tenent perimeters and vice versa	
	start and end times; convert 0,05km into m and then into c ^{en1}					
	Use mathematical		Recognise, describe and build simple 3-D shapes, including	Compare and classify geometric shapes based on their properties and sizes and find unknown a	Illustrate and name parts of circles, including radius,	
	reasoning to find missing angles (e.g. the mission and		moking nets	rma unknown anglesi in any trianglesi, quadrilateralsi, and regular polygonsi	arameter and circumference and know that the diameter is twice the radius	
	isosceles triangle when one of the angles is	Draw 2-D shappal using given dimensions and nonles				
	giver; the missing angle in a more complex discount	en				
	alagram using knowledge about angles at a point and					
	vertically opposite angles)	Commence and short the commentation of a second s			Hereite 11	Presente data (* 1)
		wrywr wra ciasary geometric anapel baled on their propertiel and sizel and find unknown anglel in any triangles, quadrilaterals, and regular polygons			use mathematical reasoning to find missing angles (e.g. the missing angle in an	nawgnise, aescribe and build simple 3-0 shapes, including making nets
Geometry					isosceles triangle when one of the angles is giver; the	
					 complex diagram using knowledge about anglesi at a 	
					point and vertically opposite angles)	
		Use mothematical reasoning to find missing angles (e.g. the missing angles is an isosceles) triangle when one of the angles is given: the missing angle is a more constant discover using	Illustrate and name parts of circles, including radius.	Recognise, describe and build simple 3-b shapes, including making nets		
		knowledge about angles of a point and vertically opposite angles)	diameter and circumference and know that the diameter is	,		
			Calculate with measures (e.g.	Use mathematical reasoning to find		
			caculate length of a bus journey given start and end times; convert 0,05km into =	maxing angles (e.g. the missing angle in an isosceles triangle when one of the angles is giver; the missing angle in a more complexe		
			and then into cm). (FF 6.72a)	diagram using knowledge about angles at a point and vertically opposite angles)		
	Describe positions on	Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.	Describe positions on the full	Draw and translate simple shapes on the		Describe positions on the full coordinate
Geometry	grid (all four		uurainategrid (all faur quadrants)	areas,		y ~ (ai tour quadrants)
Statistics	calculate and interpret the mean as	Interpret and construct pie charts and line graphs and use these to solve problems	caculate and interpret the mean as an overage.	incorpter and construct pie charts and line graphs and use these to solve	calculate and interpret the mean ail an average.	integraphs and use these to solve