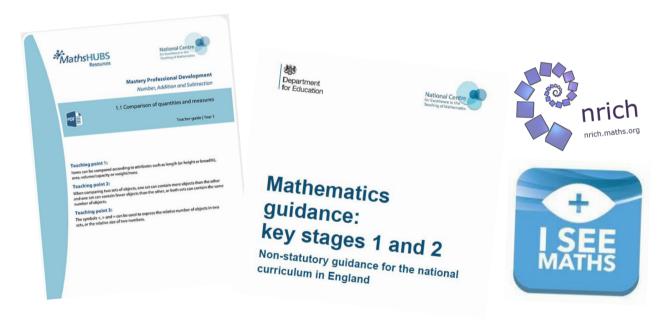


At Staynor Hall, we aim for all learners to be confident mathematicians who reach their full potential. To achieve this, we use a mastery approach to teaching mathematics, ensuring all children are given opportunity to dive deeper into their understanding through reasoning, problem solving and fluency throughout their learning journey. The progression of curriculum allows children to access learning in a logical, coherent way that spirals so that children access learning in small chunks, having further encounters of knowledge that develop depth of understanding. Knowledge acquisition is planned so that children make purposeful links across different areas of mathematics, with many aspects, such as measure and statistics, being taught alongside areas such as number and place value.

Our aim is for children to gain automaticity of basic number facts and structures in order for them to be competent mathematicians who can delve deep into the conceptual understanding of mathematics. To support with the acquisition of this, children in Reception, Key Stage 1 and Key Stage 2 access a daily Maths lesson, as well as additional Foundational Fluency sessions to develop automaticity with number and calculation. Children in our Tiny Steps and Nursery provision access short, daily sessions. All our EYFS and KS1 children access additional maths within their provision areas.

As a school, our learning journey is supported by the materials created by National Centre for Excellence in the Teaching of Mathematics (NCETM) and the Department of Education's Ready to Progress Criteria. Teachers use these materials to help inform lesson design so that success and depth for all can be achieved. To broaden and deepen understanding further, teachers use additional resources supported by the NCETM to enrich our curriculum, such as NRICH and Gareth Metcalfe.



At the heart of all our lessons are the key areas of reasoning, problem solving and fluency. A typical lesson may involve the following areas:

- Recap of relevant prior knowledge
- Exploring a new concept and sharing ideas
- Rich mathematical discussion, with precise vocabulary use and development
- Direct modelling and practise of key concepts, including tackling misconceptions around these
- Opportunity to independently practise knowledge acquisition through our spiral questioning method, where children have the opportunity to show their depth of knowledge:
 - Explore children access a problem in different ways (fluency, reasoning or problem solving), showing they understanding the key concept. Independence in encouraged through the use of a Hint at this stage if children require support.
 - Explain aimed at exposing misconceptions to ensure these have been addressed
 - Extend an opportunity to go deeper into the concept

^{*} Our curriculum is designed for each individual cohort and moves at the rate appropriate for each cohort so all times are suggested and may be subject to change.

Reception	1	2	3	4	5	6	7	8	9	10	11	12	13
C1 focus area Knowledge acquisition featured in the unit	Number Songs with actions and puppets Measure Days of the week My school day	Number Songs with actions and puppets Measure Days of the week My school day	Number Number sense Number 1 (Cardinality)	Number Number sense Number 2 (Discuss one more) (Cardinality)	Number Number sense Number 3 (Discuss one more) (Cardinality)	Number Number sense Number 4 (Discuss one more) (Cardinality) (Double)	Number Number sense Number 5 Calculation Finding one more	Number Ordering Numbers 1-5 Calculation Finding one less	Calculation Every number can be made from one (Composition)	Calculation Number composition (Part, part, whole)	Calculation Number composition (Part, part, whole) Calculation Adding two groups together	Geometry Shapes, Shapes, Everywhere! 2D Shape	Pattern Can you see my pattern? Identifying repeating patterns
Foundational Fluency unit					MN weeks 1 - 5					MN weeks 6 - 10			
Knowledge acquisition			Subitise within 1, 2 and 3	Use 1:1 correspondence and count in sequence to 5	Make collections of 3 and NOT 3	Subatise and make arrangements within 3	Represent a given number on fingers without looking and compare 2 sets using the language 'more than' and 'fewer than'	Count and make 5 in different ways. Know 5 and 5 make 10.	Subatise upto 4 and compare groups of up to 3 objects.	Identify parts and wholes.	Investigate ways to compose and decompose up to 5.	the 'stopping number' and begin recognising numerals to 5.	Assess and reteach
	1	2	3	4	5	6	7	8 Pattern	9	10 Number	11	12	13
C2 focus area Knowledge acquisition featured in the unit	Cons	Number Subitising (10 Black dots)	Number Number sense Number 6	Calculation Addition from counting on	Number Number sense Number 7	Number Number sense Number 8	Multiplication and Division Doubling and halving	Creating repeating patterns	Number Number sense Number 9	Number sense Number 10	Number Number sense Number 10	Calculation Number bonds to ten.	Geometry 3D Shape
Foundational Fluency unit				MN weeks 11 - 15									
Knowledge acquisition	Assess and reteach	Recognise and match numbers 1-5 to quantities.	Order numerals 1 - 5 and recognise when there is '1 more'.		Recognise 6 as '5 and a bit' and 7 as '5 and 2 more'	Use 'more than' and 'fewer than' to compare quantities	Assess and reteach	Look at composition for numbers 6 - 10 as '5 and a bit'	Order quantities to 10	Use parts and whole to identify missing parts	Identify equal sets and say the whole for 2 equal parts	Identify equal sets and say the whole for 2 equal parts	Assess and reteach
	1	2	3	4	5	6	7	8	9	10	11	12	13
C3 focus area Knowledge acquisition featured in the unit	Geometry Spatial awareness/positional language	Number Counting patterns 10-20	Number Counting patterns beyond 20.	Calculation Addition from counting on	Calculation Subtraction from counting back	Measure Length, height and distance	Measure Weight and capacity	Calculation Sharing	On the Extended problem solvi Spatial reasoning	e move ng and reasoning		Consolidation	
Foundational Fluency unit		MN weeks 21 - 25						MN weeks 26 - 31					
Knowledge acquisition	Assess and reteach	Count things that cannot be seen.	Subatise and make arrangements to 6	Make and show compositions up to 7	Compose 10 into 2 parts and find missing parts	Describe position of numbers in a sequence to 5	Assess and reteach	Subatise to 5 and explore '1 more' patterns	Counting review and assess	Number pattern review and assess	Comparison review and assess	Recall review and assess	Understanding review and assess

Year 1	1	2	3	4	5	6	7	8	9	10	11	12	13
C1 focus area	<u>Unit 1</u> - <u>Previo</u>	us Reception experiences within 100	and counting	<u>Unit 2</u> - <u>C</u> o	omparison of quantities relationships	and part-whole	<u>Unit 3</u> - <u>Numb</u>	ers 0 to 5	<u>Unit 4</u> - <u>Recognise</u>	compose decompose and 2D and 3D shapes	<u>manipulate</u>	<u>Unit 5</u> -Number	es 0 to 10
Knowledge acquisition featured in the unit	0 or 1, or from any giv	alue 100, forwards and backw /en number (first encount bers to 100 in numerals (f	er)	representations in of: equal to, more -count, read and w Measurement	esent numbers using ob cluding the number line than, less than (fewer), rite numbers to 20 in n e and solve practical pro	, and use the language , most, least umerals;	Number and Place Value count, read and write numbers diven a number, identify one mo identify and represent numbers representations including the nun language of: equal to, more than, (fewer), most, least read and write numbers from 1 words RTP 1NPV-2 Reason about the location the linear number system, including c 1AS-1 Compose numbers to 10 f numbers to 10 into parts, includin numbers	ore and one less s using objects and pictorial aber line, and use the less than to 20 in numerals and of numbers to 20 within comparing using < > and =. rom 2 parts, and partition	2-D shapes [for examand triangles] 3-D shapes [for examand spheres]. RTP 1G-1 Recognise common different orientations, cuboids and pyramids al. 1G-2 Compose 2D and	mmon 2-D and 3-D shapes, aple, rectangles (including cubaple, cuboids (including cubaple, cuboids) shapes presen and know that rectangles, re not always similar to on 3D shapes from smaller siding manipulating shapes to tations.	squares), circles bes), pyramids ted in triangles, e another. hapes to	Number and Place Value Count, read and write number count, given a number, identify one reduction identify and represent number pictorial representations included use the language of: equal to, make the language of: equal the language of: equal the language of: equal the language of: equal to, make the language of: equal the language of: equal to, make the language of: equal the l	nore and one less crs using objects and ing the number line, and ore than, less than 1 to 20 in numerals and tion of numbers to 20 comparing using < > and from 2 parts, and
Foundational Fluency unit				MN weeks 1 - 5						MN weeks 6 - 10			
Knowledge acquisition	subitise within 5 and systematically explore the structure of and within 5 within 5 within 5 subitise within 5 see 6, 7, 8 and 9 see 6, 7, 8 and 9 subitise, represent and calculate with 6, 7, 8 and 9 see 6, 7,					•count forwards from 0 to 10 and backwards from 10 to 0 •identify 1 more and 1 less than	Assess and reteach	·identify the meaning of 'equal sets', -identify which numbers within 10 are formed by doubles	•show that even numbers are made of 2s and odd numbers have an odd 1	deepen their understanding of the the composition of 6	deepen their understanding of the the composition of 8	deepen their understanding of the the composition of 10	Assess and reteach
C2 focus area	<u>Unit 5</u> - <u>Numbers 0</u> to 10	Z	<u>Unit 6</u> - <u>Additiv</u>	<u>e structures</u>	5	Unit	7 - Addition and subtraction facts	within 10	9	•	mbers 0 to 20	12	Unit 10 - Position and direction
Knowledge acquisition featured in the unit	See C1 week 12 and 13 Number - Addition and subtraction • read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs • solve one-step problems that involve addition and subtraction, using concrete objects • solve one						d subtraction pret mathematical statements invol als (=) signs ems that involve addition and subtra epresentations, and missing number	action, using concrete	given a number, ident identify and represer line, and use the langua (fewer), most, least read and write numbe Measurement compare, describe an longer/shorter, tall/sha	numbers to 20 in numeral ify one more and one less it numbers using objects age of: equal to, more than, ers from 1 to 20 in numeral d solve practical problems	Geometry - Position and Direction • describe position, direction and movement, including whole, half, quarter and three quarter turns		
Foundational Fluency unit				MN weeks 11 - 15						MN weeks 16 - 20			
Knowledge acquisition	Assess and reteach	Use number lines to identify the midpoint between 0 and 10 and to estimate length and	deepen their understanding of the the composition of 7	deepen their understanding of the the composition of 9	sort odd and even numbers to 10 and explore their composition of odd and even parts	partition a set of objects in different ways, including using hre language part, whole, splitting and combining	Assess and reteach	use systematic partitioning to identify patterns within numbers	recall and represent doubles and near doubles	identify the effect of adding or subtracting 1 to or from an even or odd number	identify the effect of adding or subtracting 2 to or from an even or odd number	Link partitioned of even numbers to subtraction 'stories'	Assess and reteach
C3 focus area	1	2	1 3	4	5	6	<u>7</u> Init 11 - <u>Time</u>	8 Numbers 1	9	10 Unit 12 - fro	11	12 Unit 13 - me	13
Knowledge acquisition featured in the unit	• count in multiples of twos, fives and tens Measurement • recognise and know the value of different denominations of coins and notes • model of the country of the count					Measurement compare, describe an time [for example, quices sequence events in characteristics] recognise and use lan days of the week, week tell the time to the hims time for the himself.	nd solve practical problems for: ker, slower, earlier, later] record the following: time ds) nronological order using language nd after, next, first, today, norning, afternoon and	Number - Fractions of each digit in a est) of at least 100 in of 100 in numerals; e place value of each decompose two-digit andard partitioning. Of forwards and of or 1, or from any given ers to 100 in numerals			Measure • compare, describe and solve practical problems for:		
Foundational Fluency unit				MN weeks 21 - 25						MN weeks	: 26 - 31		
Knowledge acquisition	Assess and reteach complete 'first, then, identify that the compare the read and write		identify that the order of the addends does not change the sum	Assess and reteach	recall missing parts in 7, 8 and 9	practise recognising and making the numbers 11-19	Use the partitioning structure of subtraction to identify what is 'not' included	write equations to match 'first, then, now' stories for subtraction and tell own stories.	complete subtraction equations in which the subtrahend or minuend is missing	use bonds of 10 to complete missing number calculations that involve subtracting from 10.			

Year 2	1	2	3	4	5	6	7	8	9	10	11	12	13
C1 focus area		<u>Unit 1 -</u>	Numbers 10 to 100		Unit 2	- Calculations within 2	20	<u>Unit 3 - Fluently add and</u> <u>subtract within 10</u>	<u>Unit 4 - Addition and</u> <u>two-digit num</u>		<u>Unit</u>	5 - Introduction to mu	ltiplication
Knowledge acquisition featured in the unit	 identify, repinumber line compare and read and writh use place value read and writh 	e place value of each digit in resent and estimate numbers order numbers from 0 up to te numbers to at least 100 in ue and number facts to solve te numbers to 100 in numera	numerals and in words problems.	· ·	represent and use number bonds and related subtraction facts within 20 add and subtract one-digit and two-digit numbers to 20, including zero using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: adding three one-digit numbers show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot			Number - Addition and Subtraction read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (Cont from Y1) solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = 7-9. recall and use addition and subtraction facts to 20 fluently	Number - Addition and Sub Add and subtract numbers objects, pictorial represente including: a two-digit number and one a two-digit number and ten add and subtract one-digit numbers to 20, including zer	using concrete ations, and mentally, as as and two-digit	Number and Place Value count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward Number - Multiplication and Division solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representation and arrays with the support of the teacher. recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers calculate mathematical statements for multiplication and division with the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and divisination, including problems in contexts		
Foundational Fluency unit			MN	weeks 1 - 5					MN v	veeks 6 - 10			
Knowledge acquisition		apply the composition of 6-9 to missing addend/sum questions compare numbers within 10, use the language of 'greater than' and 'less than', inequality signs and representations		Recap and deepen knowledge of doubles within 10, including composition and calculating	Deepen the calculation and composition fluency of 6	Deepen the calculation and composition fluency of 8	Assess and reteach	Deepen calculation and reasoning with bonds to 10	Deepen knowledge of the composition of odd numbers	Deepen and reason around the composition of 7, including missing numbers	Deepen and reason around the composition of 9, including missing numbers	Deepen knowledge of composition of 11-19, including missing numbers	Assess and reteach
C2 focus area	<u>Unit 5 -</u> continued		duction to division uctures	4 <u>Unit 7</u>	- Shape	Unit 8 -Addi	ition and subtractio	n of two-digit numbers (2)	Unit 9 - Money	10 <u>Unit 10</u>	- Fractions	Unit 11 - Time	13 <u>Unit 12 - Position and</u> <u>direction</u>
Knowledge acquisition featured in the unit	11-13	pictorial representations ar the teacher. recall and use multiplication 5 and 10 multiplication table and even numbers calculate mathematical stadivision within the multiplication (x), equals (=) signs show that multiplication of any order (commutative) and another cannot solve problems involving metals.	avolving multiplication and conswer using concrete objects, and arrays with the support of con and division facts for the 2, es, including recognising odd contact at the support of contact at the support of contact and contact are multiplication and contact are multiplication and contact are multiplication and contact are multiplication (÷) and for two numbers can be done in division of one number by contact are multiplication and division, using addition, mental methods, and	identify and describ shapes, including the isymmetry in a vertica identify and describ shapes, including the ivertices and faces identify 2-D shapes shapes, [for example, and a triangle on a pyrcompare and sort co	eometry - Properties of Shape identify and describe the properties of 2-D napes, including the number of sides and line remmetry in a vertical line identify and describe the properties of 3-D napes, including the number of edges, critices and faces identify 2-D shapes on the surface of 3-D napes, [for example, a circle on a cylinder and a triangle on a pyramid] compare and sort common 2-D and 3-D napes and everyday objects			rete objects, pictorial :	Measurement recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value find different combinations of coins that equal the same amounts of money solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	two equal parts of an quantity • recognise, find and four equal parts of ar quantity. • recognise, find, nam 1/3, 1/3, 2/3 and 3/ of objects or quantity • write simple fractio	name a quarter as one of n object, shape or e and write fractions 4 of a length, shape, set	Measurement compare and sequence intervals of time tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times know the number of minutes in an hour and the number of hours in a day.	Geometry - Position and Direction • order and arrange combinations of mathematical objects in patterns and sequences • use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise)
Foundational Fluency unit			MN	weeks 11 - 15					MNw	reeks 16 - 20			
Knowledge acquisition	Assess and reteach	Deepen knowledge of structure of numbers 11-20, including identifying the midpoint on a number line and comparing length	Develop fluency and reasoning when doubling with 6 - 9	Develop reasoning and fluency with bonds to 20	Use number bonds to reason about other calculations within 20.	Use double facts to calculate near doubles	Assess and reteach	Use double facts to calculate near doubles, including matching expressions to the calculation	Find the total of 3 addends, including looking for known facts within the calculations	Solve problems that a reasoning the strateg focus on making 10 fin	cross the 10s barrier, yy used, with a particular rst through partitioning.	Calculating across 10 through reduction with a difference greater than or equal to 10.	Assess and reteach
C3 focus area	<u>Unit</u>	13 - Multiplication and divisi quotative and partitiv		Unit 14- Sense of med	asure – capacity, volume, nass	SATs	1	*Unit 15* -	- Statistics	10	Dee	*Unit 16* per Application and Co	nsolidation
Knowledge acquisition featured in the unit	• solve one-ste calculating the and arrays wit • calculate mat the multiplicant division (÷) and • show that mu (commutative) • solve problen	th the support of the teacher thematical statements for mition tables and write them us dequals (=) signs ultiplication of two numbers of and division of one number be as involving multiplication anced addition, mental methods g	cts, pictorial representations ultiplication and division within ing the multiplication (*), can be done in any order by another cannot	more than, less than, · measure and begin ti mass/weight, capacity · choose and use apprious to estimate and measing direction (m/cm); mas (°C); capacity (litres/tappropriate unit, using thermometers and measure and order longer and order longer long	eight [for example, han, lighter than] and for example, full/empty, half, half full, quarter] o record the following: and volume opriate standard units ure length/height in any is (kg/g); temperature ml) tothe nearest grulers, scales, assuring vessels		 ask and answer s categories by quar 	instruct simple pictograms, tally ch simple questions by counting the nu ntity questions about totalling and compo	umber of objects in each categ	e tables ory and sorting the			
Foundational Fluency unit	it MN weeks 21 - 25									MN weeks 26	- 31		
Knowledge acquisition	Assess and reteach reteach focus on using 10 as a 'landmark' Calculating across 10 through reduction with a focus on using 10 as a 'landmark' Identify multiples of 10 within 100, including the previous or next 10 and identification on a number with 20.				To subtract across the 10 boundary by subtracting to 10 first	To consolidate different subtraction strategies and reason their choice	Assess and reteach is two 10s and find the missing part when the known part is Develop understanding that 20 commutativity and comparison to explore calculations such as 4 + 6 = strategies involving strategies involving strategies involving odd or even numbers are adjacent odd or even numbers ar					Deepen fluency around crossing 10s boundaries and bonds to 10	deepen fluency around addition and subtraction calculation with 20

Year 2	1	2	3	4	5	6	7	8	9	10	11	12	13	
C1 focus area		Unit 1 - Nu	imbers 10 to 100		Unit 2	<u>unit 2 - Calculations within 20</u> <u>Unit 3 - Fluently add and subtraction of subtract within 10</u> <u>two-digit numbers (1)</u>					Unit 5 - Introduction to multiplication			
Knowledge acquisition featured in the unit	 identify, rep number line compare and read and wri use place val read and wri 	e place value of each digit in present and estimate number lorder numbers from 0 up to the numbers to at least 100 in uue and number facts to solve ite numbers to 100 in numera de addition and subtraction for	s using different represe 100; use <, > and = signs n numerals and in words problems. sls; (further encounter)	ntations, including the	 represent and use number bonds and related subtraction facts within 20 add and subtract one-digit and two-digit numbers to 20, including zero using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: adding three one-digit numbers show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot 			Number - Addition and Subtraction read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (Cont from Y1) solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = 2-9. recall and use addition and subtraction facts to 20 fluently	Number - Addition and Sub Add and subtract numbers objects, pictorial represente including: a two-digit number and one a two-digit number and ter add and subtract one-digit numbers to 20, including zer	using concrete ations, and mentally, as as and two-digit	and arrays with the sup recall and use multipli multiplication tables, in calculate mathematics the multiplication table division (÷) and equals (commutative) and divises solve problems involvi	ion and division, by , pictorial representations ts for the 2, 5 and 10 I and even numbers plication and division within the multiplication (x), be done in any order unother cannot		
Foundational Fluency unit				MN weeks 1 - 5					MN	weeks 6 - 10				
Knowledge acquisition	6-9 to missing addend/sum questions within 10, use the language of 'greater than' and 'less than', inequality signs and composite the language of 'greater' included the composite than'.		Recap and deepen knowledge of doubles within 10, including composition and calculating	Deepen the calculation and composition fluency of 6	Deepen the calculation and composition fluency of 8	Assess and reteach	Deepen calculation and reasoning with bonds to 10	Deepen knowledge of the composition of odd numbers	Deepen and reason around the composition of 7, including missing numbers	Deepen and reason around the composition of 9, including missing numbers	Deepen knowledge of composition of 11-19, including missing numbers	Assess and reteach		
C2 focus area		Unit 5 - Introduction to mul	tiplication		<u>Unit 6 - Introdu</u> struc		<u>Unit 9 - Money</u>	<u>Unit 11 - Time</u>	*Unit 15* - S	tatistics	<u>Unit 8 -Addition a</u> two-digit nu		<u>Unit 9 - Money</u> continued	
Knowledge acquisition featured in the unit	Number and Place Value • count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward Number - Multiplication and Division • solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. • recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers • calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (*), division (†) and equals (=) signs • show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot • solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts							Measurement compare and sequence intervals of time tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times know the number of minutes in an hour and the number of hours in a day.	Statistics • interpret and construct si charts, block diagrams and s • ask and answer simple que number of objects in each co the categories by quantity • ask and answer questions of comparing categorical data	simple tables stions by counting the ategory and sorting	mentally, including:		solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	
Foundational Fluency unit				MN weeks 11 - 15					MNw	reeks 16 - 20				
Knowledge acquisition	Assess and reteach	Deepen knowledge of structure of numbers 11-20, including identifying the midpoint on a number line and comparing length	Develop fluency and reasoning when doubling with 6 - 9	Develop reasoning and fluency with bonds to 20	Use number bonds to reason about other calculations within 20.	Use double facts to calculate near doubles	Assess and reteach	Use double facts to calculate near doubles, including matching expressions to the calculation	Find the total of 3 addends, including looking for known facts within the calculations		cross the 10s barrier, yy used, with a particular rst through partitioning.	Calculating across 10 through reduction with a difference greater than or equal to 10.	Assess and reteach	
C3 focus area	Unit 8	_	<u>Unit 10 - F</u>	<u>Fractions</u>		cation and division – doubli	ng, halving,	Unit 14- Sense of measure	- capacity, volume, mass		7 - Shape	<u>Unit 12 - Po</u>	osition and direction	
Knowledge acquisition featured in the unit	Unit 8 continued Number - Fractions • recognise, find and name a half as one of two equal parts of an object, shape or quantity • recognise, find and name a quarter as one of four equal parts of an object, shape or quantity • recognise, find, name and write fractions 1/3, 1/3, 2/3 and 3/4 of a length, shape, set of objects or quantity • write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2.				Number - Multiplication and Division • solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. • calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (*), division (÷) and equals (=) signs • show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot • solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts			• compare, describe and solve practical problems for: mass/weight [for example, heavy/light, heavier than, lighter than] and capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] • measure and begin to record the following: mass/weight, capacity and volume • choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) tothe nearest appropriate unit, using rulers, scales, thermometers and • identify shapes, in vertices a • identify shapes, in vertices a • identify shapes, in symmetry • identify shapes, in vertices a • identify shapes, in symmetry • identify shapes, in vertices a • identify shapes, in symmetry • identify shapes, in symmetry • identify shapes, in symmetry • identify shapes, in vertices a • identify shapes, in symmetry • identify shapes, in vertices a • identify shapes, in vertices a • identify		shapes, including the symmetry in a vertice identify and describ shapes, including the vertices and faces identify 2-D shapes shapes, [for example, and a triangle on a py	escribe the properties of 2-D g the number of sides and line ertical line escribe the properties of 3-D g the number of edges, les hapes on the surface of 3-D and 3-D entrope or toommon 2-D and 3-D entrope or toommon 2-D and 3-D entrope or sides and arrang mathematical position, direction of movement in a strange to a turn and in terms half and three-quait anticlockwise)		n and Direction combinations of s in patterns and sequences vocabulary to describe and movement, including sht line and distinguishing of right angles for quarter, er turns (clockwise and	
Foundational Fluency unit				MN weeks 21 - 25						MN weeks 26	- 31			
Knowledge acquisition	Assess and reteach reteach Calculating across 10 through reduction with a focus on using 10 as a 'landmark' Identification on a number line Calculating across 10 through reduction with a focus on using 10 as a 'landmark' Identification on a number line To calculate the difference to find missing numbers with 20.			To subtract across the 10 boundary by subtracting to 10 first	To consolidate different subtraction strategies and reason their choice	Assess and reteach	Develop understanding that 20 is two 10s and find the missing part when the known part is less than 10	To use commutativity and comparison to explore calculations such as 4 + 6 = 6 + 4	Deepen knowledge of additive strategies involving doubles and near doubles	Explore whether numbers are adjacent odd or even numbers that can turn into doubles when calculating	Deepen fluency around crossing 10s boundaries and bonds to 10	deepen fluency around addition and subtraction calculation with 20		

	1	0	<u> </u>	4	-	<u> </u>	7	0		10	14	10	40
Year 3 C1 focus area	Linia 1 - adding and	subtracting across 10	3	4	5	6	/	numbers to 1,000	9	10	11	12	13 Consolidation
Knowledge acquisition featured in the unit	Number - Addition Solve problems wit subtraction: · using concrete ob representations, in numbers, quantities. · applying their inc mental and written · adding three one- · show that addition be done in any orde subtraction of one cannot · recall and use add	n and Subtraction The addition and Dijects and pictorial Discluding those involving So and measures Treasing knowledge of The methods The digit numbers The on of two numbers can The commutative and The number from another The dition and subtraction The dive and use	count from 0 in recognise the place compare and ordered identify, represented and write new solve number properties. Number Addition recall and use act Measurement	easure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)									Consumation
Foundational fluency Knowledge acquisition	Adding 1 Commutative: 7 +1 and 1 +7	Doubles of numbers to 5 1+1, 2+2, 3+3, 4+4, 5+5	Adding 2 Commutative: 7 +2 and 2 +7	Comm	bonds to 10 utative: 2+8, 3+7, 4+6	Adding 10 To single digits	Adding 0	The ones without a family 3 +5, 5+3, 3+6, 6+3	Near Doubles within 10 3+4 4+3, 4+5, 5+4	Doubles of numbers to 10 6+6, 7+7, 8+8, 9+9, 10+10	Near doubles bridging 10 5+6, 6+5, 6+7, 7+6	Near doubles bridging 10 7+8, 8+7, 8+9, 9+8	Bridging 10 3+8, 8+3 3+9, 9+3
	1	2	3	4	5	6	7	8	9	10	11	12	13
C2 focus area	<u>Unit 3 -</u>	<u>right angles</u>	<u>Unit 4 - Mani</u>		ive relationship and culation	securing mental	<u>Unit 5 - (</u>	column addition	<u>Unit</u>	6 - 2, 4 and 8 times	<u>tables</u>	<u>Unit 7 - colu</u>	nn subtraction
Knowledge acquisition featured in the unit	or a description of identify right and two right angles make three quarted complete turn; iden are greater than of angle	as a property of shape a turn gles, recognise that ake a half-turn, three rs of a turn and four a ntify whether angles r less than a right	Number - Addition and Subtraction			calculation and use inverse operations using number facts, to check answers			recall and use m 4 and 8 multiplica -recall and use mu multiplication tab write and calcul multiplication and that they know,	ultiplication and divisules les late mathematical st division using the m	ision facts for the 2 atements for ultiplication tables	 add and subtract to three digits, us methods of column subtraction estimate the an calculation and use operations to chee solve problems, number problems, facts, place value, addition and subtracts 	swer to a e inverse ck answers including missing using number and more complex raction
Foundational fluency Knowledge acquisition	Bridging 10 4+7, 7+4, 4+8, 8+4, 4+9, 9+4	Bridging 10 5+7, 7+5, 5+8, 8+5, 5+9, 9+5	Bridging 10 6+8, 8+6, 6+9, 9+6	All additive facts mix Teach 2 tt concept lesson	2 times table (multiplier first)	2 times table (multiplier first or second)	2 times table (division facts added in)	2 times table	2 times table Teach 5 tt concept lesson	5 times table (2x5 to 6x 5)	5 times table (2x5 to 6x 5)	5 times table (7x5 to 9x5)	5 times table (all)
	1	2	3	4	5	6	7	8	9	10	11	12	13
C3 focus area		<u>Unit</u>	8 -unit fractions				<u>Unit 9 - no</u>	n-unit fractions			d perpendicular sides lygons	<u>Uni† 1:</u>	<u>l - time</u>
Knowledge acquisition featured in the unit	Number - Fractions • recognise, find a fractions with sma • recognise and use denominators • compare and ord • add and subtract 1/7 = 6/7] • solve problems the	s with small	fractions and non u recognise and us fractions with sma compare and ord denominators	nd write fraction unit fractions with e fractions as nur II denominators er unit fractions, t fractions with t + 1/7 = 6/7]	s of a discrete set of on small denominators inbers: unit fractions are and fractions with the same denominator with above.	nd non-unit same	Geometry - Properties of Shape draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them identify horizontal and vertical lines and pairs of perpendicular and parallel lines		Measurement • tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks estimate and read time with increasing accuracy to the nearest minute; record and compare time in term of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight • know the number of seconds in a minut and the number of days in each month, year and leap year • compare durations of events [for example to calculate the time taken by particular events or tasks].				
Foundational fluency Knowledge acquisition	5 times table 4 times table 4 times table 4 times table 2, 4, 5tt facts 2, 4, 5tt facts 4 times table 6 (2 x 4 to 6 x 4) (7 x 4 to 9 x 4) all facts comm and comm and						lidation revisit ime						

Year 4	1	2	3	4 5	6	7	8	9	10	11	12	13
C1 focus area	<u>Unit 1 - review</u>	of column addition o	and subtraction	<u>Ur</u>	nit 2 - numbers to 10.0	00		<u>Unit 3 - </u>	<u>perimeter</u>	<u>Unit</u>	4 - 3, 6 and 9 times	<u>tables</u>
Knowledge acquisition featured in the unit	 add and subtractionmal written mesubtraction where estimate and use to a calculation solve addition and 	n and Subtraction t numbers with up to thods of columnar ac appropriate e inverse operations ad subtraction two-s which operations an	ddition and to check answers tep problems in	Number - Number and Place Value count in multiples of 6, 7, 9, 25 and 1000 find 1000 more or less than a given numbe recognise the place value of each digit in order and compare numbers beyond 1000 identify, represent and estimate numbers round any number to the nearest 10, 100 solve number and practical problems that numbers Number - Addition and Subtraction add and subtract numbers with up to 4 di subtraction where appropriate estimate and use inverse operations to che solve addition and subtraction two-step puse and why.	er a four-digit number (t s using different repre or 1000 involve all of the abov gits using the formal w	esentations The and with increasingly The area with increasingly The area with the	large positive Umnar addition and	measure [for exammetre; hour to mir • measure and cale perimeter of comp shapes in centimet Geometry - Prope • compare and clas shapes, including q triangles, based or and sizes • distinguish betw	Number - Multiplication and Division • recall and use multiplication and division facts for 3, 4 and 8 multiplication and division facts for 3, 4 and 8 multiplication and division facts for multiplication and division facts for multiplication tables up to 12 × 12 In different units of mple, kilometre to nute] Iculate the posite rectilinear etres and metres erties of Shapes assify geometric quadrilaterals and on their properties Ween regular and is based on reasoning			
Foundational fluency Knowledge acquisition		Recap Year 3 straction facts within ach 8 tt concept les		8 times table 5 new facts (8x3, 8x6, 8x7, 8	All 8 times table all previously learnt ach 3 tt concept les		4 new 1	3 times table facts (3x3, 6x3, 7x	3, 9×3)	3 times table plus all previous facts		
	1	2	3	4 5	6	7	8	9	10	11	12	13
C2 focus area	Unit 4 - 3, 6 and 9 times tables	<u>Unit 5 - 7 t</u>	<u>imes tables</u>	<u> Unit 6 - Understanding</u>	<u>Unit 7 - c</u>	oordinates	Unit 8 - recap of fractions	<u>Unit 9 - fractio</u>	ns greater than 1			
Knowledge acquisition featured in the unit	See weeks C1 11-13	Number - Multiplic Division • recall multiplicat facts for multiplicat 12 × 12	ion and division	Number - Multiplication and Division • recall multiplication and division fact • solve problems involving multiplying of two digit numbers by one digit	Geometry - Positi describe position coordinates in the describe movement positions as translunit to the left/rig plot specified posides to complete	ns on a 2-D grid as first quadrant ents between ations of a given ght and up/down bints and draw	RTP Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts.	Number - Fractions See C3 weeks 1 - 3				
Foundational fluency Knowledge acquisition	All 3 times table Plus all previously Teach 6 tt conce		6 times table 3 new facts (6×6,	7×6, 9×6)	All 6 times table Plus all previously I Teach 9 tt conce			9 times table 2 new facts (9x7, 9x9)	All 9 times table Plus all previously l	earnt facts	7 times tables 1 new fact (7x7)	7 times tables All facts now learnt
	1	2	3	4 5	6	7	8	9	10	11	12	13
C3 focus area	Unit 9) - fractions greater	than 1	<u>Unit 10 - symmetry</u>	Unit 11	l - time	Unit 12 - division	n with remainder	Unit 13 - tra	nsformations	Unit 14 -	statistics
Knowledge acquisition featured in the unit	They extend the u fractions, numbers recognise mixed convert from one mathematical state	t fractions with the use of the number lin	e to connect er fractions and d write d number [for	Geometry - Properties of Shapes • compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes • identify lines of symmetry in 2-D shapes presented in different orientations • complete a simple symmetric figure with respect to a specific line of symmetry.	Measure convert between diff measure [for example metre; hour to minut read, write and cor analogue and digital 1 clocks solve problems invo from hours to minute seconds; years to mo	e, kilometre to e] nvert time between 12- and 24-hour olving converting 25; minutes to	Number - Multiplica • recall multiplication for multiplication tab	n and division facts	Geometry - Position and direction Transformations • identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed		Statistics -interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs -solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and othe graphs	
Foundational fluency Knowledge acquisition	All times tables up		ibles, deepen unders	tanding through knowledge of composit	and 2 x 3	МТС	Multiplication facts deepening - composition of tables. e.g. 7×3 is 5×3 and 2×3					

Year 5	1	2	3	4	5	6	7	8	9	10	11 12 13				
C1 focus area			<u>Unit 1 - decimal fractio</u>	ns		Unit 2	- money		<u>Unit 3 - negative numbers</u>		Unit 4 - short m	ultiplication and short division			
Knowledge acquisition featured in the unit	Number - Multiplication and Division Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers recognise and use factor pairs and commutativity in mental calculations multiply two-digit and three-digit numbers by a one-digit number using formal written layout Number - Fractions count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. round decimals with one decimal place to t he nearest whole number recognise and write decimal equivalents of any number of tenths or hundredths compare numbers with the same number of decimal places up to two decimal places solve simple measure and money problems involving fractions and decimals to two decimal places read and write decimal numbers as fractions [for example, 0.71 = 71/100] recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents round decimals with two decimal places to the nearest whole number and to one decimal place read, write, order and compare numbers with up to three decimal places solve problems involving number up to three decimal places Measurement use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.						ubtract money to give g both £ and al contexts compare and fferent acluding unds and d on their ng of place cimal record metric acluding	use negative across zero Count backw solve problem multiplication or problems and connected to nesolve problem the distributivinteger scaling such as nobjective backwards with across the context of the problems of the problem	ms involving multiplying and adding, including using re law to multiply two digit numbers by one digit, problem and harder correspondence problems cts are connected to m objects. gative numbers in context, count forwards and h positive and negative whole numbers, including and solve number problems and practical problems	and Division mathematical statements for multiplication and division using the mat they know, including for two-digit numbers times one-digit numbers, essing to formal written methods or and derived facts to multiply and divide mentally, including: multiplying by multiplying together three cotor pairs and commutativity in mental calculations of three-digit numbers by a one-digit number using formal written layout to 4 digits by a one- or two-digit number using a formal written method, action for two-digit numbers umbers mentally drawing upon known facts 4 digits by a one-digit number using the formal written method of short memainders appropriately for the context					
Foundational fluency Knowledge acquisition			Consolidation of times tables t	o 12 × 12		Derived fac	cts, both multi	plication and div	ision, from times tables facts for whole numbers e 70	.g I know 3 × 7 so I also l	know 3 × 70, 30 ×	Derived facts, both multiplic times tables facts for decima 3.6 ÷ 0.	al numbers e.g 0.3 x 7 or		
	1	2	3	4	5	6	7	8	9	10	11	3.6 ÷ 0.	13		
C2 focus area	Unit 4 - s multiplication o divisio	hort and short	-	Unit 5 - area and s	scaling				Unit 6 - calculating with decimal fractions			Unit 7 - factors, multiples and p			
Knowledge acquisition featured in the unit	on Measurement				eters and vice versa shapes eation and division, including pos ed to m objects stributive law to multiply two d n objects are connected to m o by simple fractions and problem	itive integer so igit numbers by bjects. s involving simp	caling y one digit, ple rates	value of the di identify the and divide num multiply one- Number - Mul multiply and Measurement They use mu convert betweentimetre and solve probled decimal notation use, read, wi length, mass, w	ctions ect of dividing a one- or two-digit number by 10 angits in the answer as ones, tenths and hundredths value of each digit in numbers given to three decir bers by 10, 100 and 1000 giving answers up to three digit numbers with up to two decimal places by whatiplication and Division divide whole numbers and those involving decimals litiplication to convert from larger to smaller units, ween different units of metric measure (for example metre; centimetre and millimetre; gram and kilog ins involving the calculation and conversion of units on up to three decimal places where appropriate rite and convert between standard units, converting folume and time from a smaller unit of measure to accimal notation to up to three decimal places	nal places and multiply the decimal places ole numbers by 10, 100 and 1000 lle, kilometre and metre; ram; litre and millilitre) of measure, using g measurements of	identify common identify multiple number, and comm know and use th composite (non pri establish wheth up to 19 recognise and us for squared (2) of Measurement estimate volume (including cubes)] calculate, estimate and extending to and extending to	er a number up to 100 is prime a se square numbers and cube num	all factor pairs of a prime factors and and recall prime numbers bers, and the notation as to build cuboids a water] s and cuboids using and cubic metres (m3), and km3].		
Foundational fluency Knowledge acquisition	Derived facts,	, both multip	lication and division, from times tables facts for 0.3 x 7 or 3.6 ÷ 0.6	r decimal numbers e.g		N	Aultiply and div	ride by 10, 100 ar	nd 1000	Identify patterns and of 7 an		Adding and subtracting frac number	rs		
	1	2	3	4	5	6	7	8	9	10	11	12	13		
C3 focus area	<u>Unit 7 -</u>			<u>Unit 8 - frac</u>	<u>tions</u>				<u> Unit 9 - converting measu</u>	<u>'e</u>		<u>Unit 10 - angles</u>			
Knowledge acquisition featured in the unit	Number Fractions • recognise and show, using diagrams, equivalent fractions with small denominators • recognise and show, using diagrams, families of common equivalent fractions • solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions who answer is a whole number • recognise and write decimal equivalents to 1/4, 1/2, 3/4 • compare and order fractions whose denominators are all multiples of the same number • identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths • multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams								Measurement understand and use approximate equivalences be and common imperial units such as inches, pounds solve problems involving converting between un convert between miles and kilometres	and pints	Geometry - Properties of shape • identify acute and obtuse angles and compare and order angles up to two right angles by size • identify 3-D shapes, including cubes and other cuboids, from 2-D representations • know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles • draw given angles, and measure them in degrees (o) Identify: • angles at a point and one whole turn (total 3600), angles at a point on a straight line and 1/2 a turn (total 1800, other multiples of 900, use the properties of rectangles to deduce related facts and find missing lengths and angles				
Foundational fluency Knowledge acquisition		Find	fraction of an amount		Additional practise of frac	tion procedure	25		Consolidation						

Year 6	I 1	2	3	4	5	6	7	8	9	10	11	12	13	
C1 focus area	<u>Unit</u>	1 - Calculating using knowledge o	f structures (1)		Unit 2 - Calculating usina knowledge of	Unit 3 - Multiples of	<u>Unit 4 - Numbers up to 1</u>	10,000,000		<u>Unit 5 - Multiplication</u>	and division		Consolidation	
					structures (2)									
Knowledge acquisition featured in the unit	and methods to use and -solve problems involvin Algebra -use simple formulae	raction multi-step problems in co	-	nich operations	Number - multiplication and division Pupils use and explain the equals sign to indicate equivalence, including in missing number problems (for example, 13 + 24 = 12 + 25; 33 = 5 x ?)	Number - addition and subtraction -add and subtract whole numbers with more than 4 digits, including using formal written methods -add and subtract numbers mentally with increasingly large numbers -use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy -solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	Number: Number and Place Value -read, write, order and compare numbers to determine the value of each digit -count forwards or backwards in steps of point number up to 1 000 000 -round any number up to 1 000 000 to the ne and 100 000 -solve number problems and practical probler-Pupils identify the place value in large whole round any whole number to a required degree-solve number and practical problems that in Number - addition, subtraction, multiplicated and subtract whole numbers with more formal written methods -add and subtract numbers mentally with increase rounding to check answers to calculation context of a problem, levels of accuracy -solve addition and subtraction multi-step problems and methods to use and whyperform mental calculations, including with numbers -solve addition and subtraction multi-step problems involving addition, subtraction-use estimation to check answers to calculation-use estimation and subtraction and propriete degree	wers of 10 for any given earest 10, 100, 1000, 10 000 ms that involve all of the above enumbers. the of accuracy volve all of the above tion and division than 4 digits, including using reasingly large numbers and determine, in the roblems in contexts, deciding y mixed operations and large roblems in contexts, deciding y on ions and determine, in the	Number - Addition and Subtraction, Multiplication and Division -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 using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context -divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context -perform mental calculations, including with mixed operations and large numbers -solve problems involving addition, subtraction, multiplication and division -use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. Number - Fractions -use written division methods in cases where the answer has up to two decimal places -solve problems which require answers to be rounded to specified degrees of accuracy					
Foundational fluency Knowledge acquisition	Consolidation 1	n of written methods	Commutativity of addition and multiplication	Distributive law of multiplicatio n	Distributive law of division	Order of operations	Order of operations	Consolidation 8	Identify one unknown in a calculation in addition/multip lication	Identify one unknown in a calculation - subtraction/division	Find two unknowns with only one possible value	Find two unknowns with only multiple possible values	Solve balancing equations with all parts known	
C2 focus area	Unit 6 - area, perim	eter, position and direction	Unit 7 - fractions and percentages Unit 8 - angles (including circ						d decompose shapes		10 - statistics			
Knowledge acquisition featured in the unit							of parts per hundred, and write percentages as /4, 1/5, 2/5, 4/5 and those fractions with a constitution the concept of equivalent fractions for example, 1/4 × 1/2 = 1/8] ample, 0.375] for a simple fraction [for example	denominator of a multiple of 10	shape -recognise -recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and -indepth of the properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons -illustrate and name parts of circles, including solve problem.				mparison, sum and te problems using ton presented in a line graph te, read and interpret ton in tables, including ts t and construct pie charts raphs and use these to tolems te and interpret the mean as	
Foundational fluency Knowledge acquisition	Solve balancing equations with one unknown	Solve balancing equations with two unknown values	Addition of fractions, including mixed numbers	Subtraction of fractions, including mixed numbers	Equivalent fractions	Convert between fractions and decimals	Consolidation		Finding unknown values when rules apply	Interpret data to add several addends	C	Calculate mean average		
40.6	1	2	3	4	5	6	7	8	9	10	11	12	13	
C3 focus area		atio and proportion				Unit 12 - deepening solving problems with 2 unknowns	Unit 13 - deepening order of operations	<u>Unit 14 -deepening mean</u> <u>average</u>						
Knowledge acquisition featured in the unit	including using the district digit numbers by one dig and harder corresponde are connected to mobile Ratio and Proportion -solve problems involvin quantities where missing integer multiplication are solve problems involving percentages [for examp 15% of 360] and the usus comparison -solve problems involving scale factor is known or	ng multiplying and adding, ributive law to multiply two git, integer scaling problems ence problems such as n objects ects. g the relative sizes of two g values can be found by using and division facts g the calculation of ole, of measures, and such as e of percentages for g similar shapes where the can be found g unequal sharing and grouping	Consolic	dation	SATS	Algebra -use simple formulae -generate and describe linear number sequences -express missing number problems algebraically -find pairs of numbers that satisfy an equation with two unknowns -enumerate possibilities of combinations of two variables.	Number - Addition, Subtraction Multiplication and Division -solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign -use their knowledge of the order of operations to carry out calculations involving the four operations	Statistics -calculate and interpret the mean as an average.	Furt	*Unit 15* Ther Application in real life co Bespoke inputs Further Investigations Becoming Year 7 Ready	ontexts	High school transition	Unit 15 continued	
Foundational fluency Knowledge acquisition	Conso	lidate strategies for written and	mental methods				Applicati	ion of FF knowledge in real life (context					