

# <u>Year R</u>

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
*Baseline Assessment	*Conceptual	*Ordinal numbers	*Understanding the	*Distance	* Addition and
including number	development of	*Partitioning using the	symbol =	*Subtraction	subtraction
recognition and	numbers 1-5 and	cherry model	*Adding using number	*Addition and	*Capacity
ordering and patterns	subitising.	*Money	stories	subtraction as	
*Count objects with 1:1	*Identify and	*Conceptual	*Time	inverse operations.	*Pattern
correspondence.	represent numbers	development of	*Addition and	*Count in 2'5, 5's and	*Doubling, Halving and
*Know that the last	using objects and	numbers 6-10, inc bar	subtraction using + and	10's.	Sharing
number in the count is	pictorial	and cherry models.	– symbols.	*Doubling, Halving	*Estimating
the total size of the	representations	*Positioning numerals	*Continue to solve real world mathematical problems with numbers up to 5	and Sharing including	*Revisiting areas which
group (cardinality)	*Objects can be	on a number line		in problem solving	need consolidating
*Number recognition	counted in any order	*Compare and order		contexts.	
* One more/one less	or can be moved	numerals to 20.			
*Record, using marks	around and there will	*Odd and even			
that can be interpreted	still be the same	numbers			
and explained (40-60	number present	*Combining two or			
months)	(conservation)	more parts to make a			
*Height and size	*Part-part whole	whole and using the +			
*Time	*2D and 3D shape	symbol			
* Conceptual	*Weighing				
development of	*Positional language				
numbers 1-5 including	*Pattern				

S		
part-part whole model		
*Positional vocabulary		

# <u>Year 1</u>

	Week 1 Week 2	2 Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	
Autumn	<ul> <li>Place</li> <li>Sorting and</li> <li>Read and wards</li> <li>Representa number line</li> <li>1 more and</li> <li>Counting free</li> <li>Ordering ob</li> </ul>	e value (with counting ob rite number ion of numb l less om any num numbers jects and nu	t <b>hin 10)</b> ojects s 1-10 in nur oer includin ber within 1 umbers	merals g the 10	<ul> <li>Add and subtract 1</li> <li>Understand the syle</li> <li>Number bonds to 1</li> <li>Missing number pr</li> <li>Addition using num</li> <li>Subtraction using to 1</li> </ul>	<ul> <li>Addition and Subtraction (within 10)</li> <li>Add and subtract 1 digit numbers including 0</li> <li>Understand the symbols +/ -/= and statements that include these symbols</li> <li>Number bonds to 10 and related subtraction facts</li> <li>Missing number problems within 10</li> <li>Addition using number lines within 10</li> <li>Subtraction using number lines within 10</li> </ul>						
Spring	<ul> <li>Place value (w</li> <li>Read and w number 1-2 numerals a</li> <li>Representa number inc number line</li> <li>Counting fro number wit</li> <li>Comparing</li> <li>Ordering ob numbers</li> </ul>	i <b>thin 20)</b> rite D in nd words tion of uding a om any nin 20 numbers jects and	<ul> <li>Addition and Subtraction (within</li> <li>Add and subtract 1 digit and 2 do numbers including 0</li> <li>Understand the symbols +/ -/= statements that include these s</li> <li>Number bonds to 20 and relate subtraction facts</li> <li>Addition using number lines wit</li> <li>Subtraction using number line with</li> <li>Missing number problems within</li> </ul>			<ul> <li>Place v</li> <li>Read ar numera</li> <li>Represe includin</li> <li>Countin within 5</li> <li>Compare</li> <li>Ordering</li> </ul>	ralue (within 50) and write number 1-50 in als and words entation of number g a number line g from any number 0 ring numbers g objects and numbers	<ul> <li>Length and</li> <li>Understanding le</li> <li>Understanding h</li> <li>Finding the lengt object</li> <li>Using a ruler</li> </ul>	Height eight h and heigh of an	<ul> <li>Mass and Volum</li> <li>Understanding mass</li> <li>Understanding volume and capacity</li> </ul>		
Summer	<ul> <li>Multiplication ar</li> <li>Multiplication division usir objects, pic representat arrays</li> </ul>	d Division on and og concrete corial ions and	Fractions       Position and Direction         • Finding half       • Describe position         and quarter       direction,         of an object,       movement         shape or       including whole,         quantity       half, quarter and			Place v • Read ar in nume • Count to any give • Compa	alue (within 100) and write numbers 1-100 erals and words to and across 100 from en number ring numbers	Money Money and recognising different denominations of coins and notes	<ul> <li>Sequencing order</li> <li>Tell the time half past the</li> </ul>	in chronological to the hour and hour	Consolidation	

•	Count in multiples of	three quarter		
	2's, 5's and 10's	turns		
				<u> </u>

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn												
	<ul> <li>Place Value</li> <li>Read and write numbers to at least 100 in numerals and words</li> <li>Compare and order number from 0 up to 100; using ≤, ≥ and = signs</li> <li>Identify, represent and estimate numbers using different representations including the number lines</li> <li>Recognise odd and even numbers</li> <li>Cout in steps of 2, 3, 10 and 5 from 0 and in tens from any number forwards and backwards</li> <li>Recognise the place value of each digit in a 2-digit number</li> <li>Use place value and number facts to solve problems</li> </ul>				<ul> <li>Recall and use additition to 100</li> <li>Show that addition on number from anothe</li> <li>Solve problems with</li> <li>Recognise and use the this to check calculation</li> </ul>	<ul> <li>Multiplication and Division</li> <li>Recall and use multiplication and division facts for the 2,5 and 10 multiplication tables</li> <li>Calculate mathematical statements for multiplication and division using x, ÷ and = symbols</li> <li>Show that multiplication of two numbers can be done by any order and division of one number by another cannot</li> </ul>						
Spring	Tiu Compare intervals of Tell and w five minut quarter po and draw clock face times Know the minutes ir number o	me and sequence of time vrite the time to tes, including ast/ to the hour the hands on a to show these number of an hour and the f hours in a day	<ul> <li>Stati</li> <li>Interpret of simple pion charts, blog simple tall</li> <li>Ask and a questions number of category category</li> <li>Ask and a about total comparing data</li> </ul>	istics and construct ctograms, tally ock diagrams and oles inswer simple by counting the f objects in each and sorting the by quantity inswer questions alling and g categorical	<ul> <li>Measurement</li> <li>Find different combinations of coins to equal the same amounts of money</li> <li>Solve simple problems in practical context involving addition and subtraction of money of the same unit, including giving change</li> <li>Recognise and use symbols £ and p to combine amounts to make a particular value</li> </ul>	<ul> <li>Identif prope includ sides of a verti</li> <li>Identif prope includ edges</li> <li>Identif surfac</li> <li>Comp comm shape object</li> </ul>	<b>Shape</b> Ty and describe the rties of 2D shapes, ing the number of and line symmetry in ical line Ty and describe the rties of 3D shapes, ing the number of ty 2D shapes on the the of 3D shapes oure and sort non 2D and 3D as and everyday ts	Fr • Rec nan frac of a set ( qua • Writ frac 3 ar equ and	actions ognise find, ne and write stions 1/3, $\frac{1}{4}$ , $\frac{2}{4}$ , $\frac{3}{4}$ l length, shape, of objects or antity se simple stions e.g. $\frac{1}{2}$ of 6 = nd recognise the livalence of $\frac{2}{4}$	•	Partitioning	



<b>.</b>					
Summer	<ul> <li>Addition and Subtraction</li> <li>Revise understanding of addition and subtraction with 2 digit and 1 digit</li> <li>Revise law of commutativity</li> </ul>	<ul> <li>Problem Solving</li> <li>Solve problems with addition and subtraction</li> <li>Solve problems involving multiplication and division</li> <li>Solve problems in the context of money, time and measurement</li> </ul>	<ul> <li>Geometry</li> <li>Use mathematical vocabulary to describe position, direction and movement</li> <li>Distinguish between rotation as a turn and in terms of right angles for quarter turns (clockwise and anti-clockwise)</li> </ul>	<ul> <li>Measurement</li> <li>Recognise find, name and write fractions 1/3, ¼, 2/4, ¾ of a length, shape, set of objects or quantity</li> <li>Compare and order lengths, mass, volume/ capacity and record results using &lt;,&gt; and = signs</li> <li>Choose and use appropriate standard units to estimate and measure length/height, mass, temperature, capacity using rulers, scales, thermometers and measuring vessels</li> </ul>	• Sumn the Au Autun needs

Year 3

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12		
Autumn	<ul> <li>Place valu</li> <li>Numbers</li> <li>Representestimatio</li> <li>Number p</li> <li>Count in r</li> <li>more or lession</li> </ul>	Place Value ue of 3- digit numbe up to 1000 tations of number ir n problem solving multiples of 4,8,50,10 ess than a given nur	ers ncluding 10; find 10 or 100 mber	Addition and subtraction up to 3 digits <ul> <li>Inverse operations</li> <li>Add and subtract money with £ and p and give change</li> </ul>					Multiplication and Division         • Count in multiples of 100         • Count in multiples of 4,8,,50,100         • Multiplication and division facts for 3,4 and 8 timetables         • Multiplication and division problem solving using scaling and correspondence         • Multiplication and division statements using mental and progressing to formal written methods         • Multiplication and division statements					
Spring	Mul Count in r Count in r Multiplica timetable Multiplica using sca Multiplica mental ar methods Multiplica inverse op	Itiplication and Divi multiples of 100 multiples of 4,8,,50,10 tion and division fac s tion and division pro ling and correspond tion and division sto nd progressing to fo tion and division sto perations	ision 00 cts for 3,4 and 8 oblem solving dence atements using rmal written atements	Length (m Understar Comparin Converting Adding ler Subtractin	ength and Perimeto I/cm/mm) Inding the term perin g lengths g lengths between r Ingths Ing lengths	<b>er</b> neter m, cm and mm	<ul> <li>Counting</li> <li>Recognise fractions</li> <li>denomine</li> <li>Add and sidenomine</li> <li>Compare with the siden picture</li> <li>Fraction picture</li> <li>Recognisis</li> <li>equivalent</li> </ul>	Fractions up and down in ten e and use fractions of and non-unit fractions subtract fractions w ator within one whole and order unit fract ame denominator problem solving se and show, using cont fractions with smooth	ths as numbers: unit ons with small ith the same e tions and fractions liagrams, all denominators	<ul> <li>Mass (kg)</li> <li>Volume (l</li> <li>Using sca</li> <li>Comparir</li> <li>Equivalen</li> <li>Adding ar</li> <li>Measuring</li> <li>Equivalen</li> <li>Adding ar capacitie</li> </ul>	Mass and Capacity         • Mass (kg/g)         • Volume (I/ml)         • Using scales         • Comparing mass         • Equivalent masses kg and g         • Adding and subtracting mass         • Measuring capacity and volume in I and ml         • Equivalent capacity and volumes I and ml         • Adding and subtracting volumes and capacities			

## Consolidation

mer term is used to revise and consolidate all key skills from Autumn and Spring term. From Teacher assessments from Imn and Spring term, year 2 teachers plan according to the ds of the year group. S

Summer       Fractions         • Counting up and down in tenths       • Recognise and use fractions as numbers: unit fractions	Money <ul> <li>Add and subtract money both £ and p give change</li> <li>Understand denominations</li> <li>Problem solve with money</li> </ul>	Time <ul> <li>Tell and write the time from an analogue clock,</li> <li>12 hour and 24 hour clocks</li> <li>Use roman numerals I and XII on analogue</li> </ul>	Shape • Angles greater than or less than a right angle • 2D shapes	Statistics <ul> <li>Bar Charts, pictograms and tables</li> <li>Solve one step and 2 step</li> </ul>	sed to revise e year. From eachers plan roup.
<ul> <li>small denominators</li> <li>Add and subtract fractions with the same denominator within one whole</li> <li>Compare and order unit fractions and fractions with the same denominator</li> <li>Fraction problem solving Recognise and show, using diagrams, equivalent fractions with small denominators</li> </ul>		<ul> <li>Read time to the nearest minute</li> <li>Record and compare times using seconds, minutes, hours</li> <li>Compare durations of events</li> <li>Know number of seconds in a minute, number of days in each month, year, leap year</li> </ul>	<ul> <li>Angles as a property of a shape or a description of a turn</li> <li>Right angles to make a quarter, half, three quarters and a whole turn.</li> <li>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines</li> </ul>	from bar charts, pictograms and tables	<b>Consolidation</b> The last few weeks of the Summer term i and consolidate all key skills from acros: Teacher assessments from the year, year

<u>Year 4</u>

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Place Value         • Count in multiples of 1000         • Find 1000 more/less from any given number         • Place value of 4- digit numbers         • Order and compare numbers beyond 1000         • Representations of number including estimation         • Round any number to the nearest 10, 100, 1000         • Count backwards through zero to include negative numbers         • Read Roman Numerals to 100 (I and C) and known that over time, the numeral system changed to include the concept zero and place value         • Solving number problems				Addition Addition an using forma columnar a Inverse ope Addition an problems	<ul> <li>Addition and Subtraction</li> <li>Addition and Subtraction up to 4 digits using formal written methods of columnar addition and subtraction</li> <li>Inverse operation</li> <li>Addition and subtraction 2- step problems</li> </ul>			<ul> <li>Recall multiplication and division facts for multiplication tables up to 12 x 12</li> <li>Count in multiples of 6,7,9,25 and 1000</li> <li>Multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers</li> <li>Recognise and use factor pairs and community in mental calculations</li> <li>Solve addition and multiplication problems using the distributive law and integer scaling</li> <li>Multiply two -digit and three-digit numbers by a one digit number using formal written layout</li> <li>Multiply a one or two digit number by 10, 100 and 1000 identifying the value of the digits in the answer</li> <li>Divide a one or two digit number by 10 and 100, identifying the value of the digits in the answer</li> <li>Divide numbers up to 4 digits by 1-digit number using the formal written method of short division and interpret remainders appropriately for the context</li> </ul>			<b>Consolidation</b> The last few weeks of the Autumn term is used to revise and consolidate all key skills from across the term. From Teacher assessments from the year, year 4 teachers plan according to the needs of the year group.
Spring	M Recall mul multiplicat Count in m Multiplying together 3 Recognise mental ca Solve addi distributive	ultiplication and Divis Itiplication and division tion tables up to 12 x 12 nultiples of 6,7,9,25 and by 0 and 1; dividing b numbers and use factor pairs of lculations tion and multiplication e law and integer scali	<ul> <li>Length and Perimeter</li> <li>Convert between different units of measure</li> <li>Convert between different units of measure</li> <li>Measure and calculate the perimeter of a rectilinear figure (including squares) in cm and m</li> <li>multiplication problems using the d integer scaling</li> </ul>				<ul> <li>Fractions</li> <li>Recognise and show, using diagrams, families of common equivalent fractions</li> <li>Add and subtract fractions with the same denominator</li> <li>Solve problems involving increasingly harder fractions to calculations and fractions to divide quantities including non-unit fractions where the answer is a whole number</li> </ul>			<ul> <li>Round decimal place</li> <li>Compare numbers w to two decimal place</li> <li>Recognise and write</li> </ul>	<b>Decimals</b> to the nearest whole with the same number as decimal equivalents to	number of decimal places up o ¼ , ½ , ¾

V						
·	<ul> <li>Multiply two -digit and three-dig digit number using formal writter</li> <li>Multiply a one or two digit number identifying the value of the digits</li> <li>Divide a one or two digit number identifying the value of the digits</li> </ul>	it numbers by a one n layout er by 10 and 100, s in the answer r by 10 and 100, s in the answer				
Summer	<ul> <li>Decimals</li> <li>Round decimal place to the nearest whole number</li> <li>Compare numbers with the same number of decimal places up to two decimal places</li> <li>Recognise and write decimal equivalents to ¼, ½, ¾</li> </ul>	<ul> <li>Money</li> <li>Estimate, compare and calculate different measures including money in £ and p</li> <li>Solve simple measure and money problems involving fractions and decimals to two decimal places</li> </ul>	Time • Read, write and convert time between analogue and digital 12 and 24- hour clocks • Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to day	Consolidation	<ul> <li>Shape</li> <li>Complete a simple symmetric figure with respect to a specific line of symmetry</li> <li>Identify acute and obtuse angles and compare and order angles up to two right angles by size</li> <li>Identify lines of symmetry in 2D shapes presented in different orientations</li> <li>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</li> </ul>	•

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<u>Year 5</u>

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Place     Read, write, or up to 1000000 of each digit     Counting forw steps of powe number up to Round any nu nearest 10, 100 Solve number Read Roman n recognise yea numerals	der and compare numbers 0 and determine the value vards and backwards in rs of 10 for any given 100000 mber up to 1000000 to the , 1000, 10000 and 100000 and place value problems humerals to 1000 (M) and rs written in Roman	<ul> <li>Addition and</li> <li>Mental strategi</li> <li>Solve problems subtraction and including unde the equals sign</li> <li>Solve addition problems in a d</li> <li>Column method decimals in diff</li> <li>Solve comparis problems using</li> <li>Add and subtra more than 4 di written method answers to cald levels of accuration</li> </ul>	a subtraction ies is involving addition, d a combination of these, restanding the meaning of and subtraction multi-step context d (whole numbers and ferent contexts £ etc) son, sum and difference g information act whole numbers with git including using formal ds. Using rounding to check culations and determine acy	<ul> <li>Identify multip number and</li> <li>Multiply number written method</li> <li>Multiply and of</li> <li>Divide number written method</li> <li>Divide number written method</li> <li>Divide number</li> <li>Multiply and of</li> <li>10,100,1000</li> <li>Solve problem their knowled</li> <li>Solve problem combination equals sign</li> </ul>	Multiplication and Division belows and factors, including fin common factors of two numb bers up to 4 digits by 1 digit numb divide numbers mentally draw rs up to 4 digits by 1 digit numb of short division and interp of or the context divide whole numbers and the ns involving multiplication and ge of factors and multiples ns involving multiplication and of these, including understar	n ading all factor pairs of a bers umber using a formal wing upon known facts mber using the formal oret remainders ose involving decimals by ad division including using ad division and a ading the meaning of the	<ul> <li>Identify 3D sharepresentatio</li> <li>Know angles a estimate and reflex angles</li> <li>Draw given ar degrees</li> <li>Identify angle turn; angles a and a ½ turn; a</li> <li>Use rectangle and find missi</li> <li>Distinguish be polygons bas sides and ange</li> </ul>	nape apes from 2D ns are measured in degrees: compare acute, obtuse and ngles and measure them in s at a point and one whole t a point on a straight line other multiples of 90 degrees is to deduce related facts ing lengths and angles etween regular and irregular ed on reasoning about equal gles	<ul> <li>Compare an of the same</li> <li>Recognise m one to the ot</li> <li>Improper fra</li> <li>Identify and fraction, repr</li> <li>Multiply fract by materials</li> </ul>	Fractions d order fractions whose denom- number ixed numbers and improper fra- her ctions and mixed numbers name equivalent fractions of a esented visually including tentl ions and mixed numbers by wh and diagrams	ninators are all multiples actions and convert from given fraction of a given hs and hundredths hole number, supported

### **Statistics**

- Solve comparison sum and difference problems using information
- presented in bar
- charts, pictograms,
- tables and other
- graphs Interpret and
- represent discrete
- and continuous
- data using
- appropriate
- graphical methods,
- including bar chars
- and time graphs

### **Position and Direction**

- Describe positions on a 2D grid as coordinates in the first quadrant
- Describe movements between positions as translations of a given unit to the left/right and up/down

Spring		Multiplication and Division	Fractions	Decimals and Percentages	Perimeter o	and Area	Statistics	
	<ul> <li>Identify multiples and factors, including finding all factor pairs of a number and common factors of two numbers</li> <li>Multiply numbers up to 4 digits by 1 digit number using a formal written method</li> <li>Multiply and divide numbers mentally drawing upon known facts</li> <li>Divide numbers up to 4 digits by 1 digit number using the formal written method of short division and interpret remainders appropriately for the context</li> <li>Multiply and divide whole numbers and those involving decimals by 10,100,1000</li> <li>Solve problems involving multiplication and division including using their knowledge of factors and multiples Solve problems involving multiplication and division and a combination of these, including understanding the meaning of the equals sign</li> </ul>		<ul> <li>Compare and order fractions whose denominators are all multiples of the same number</li> <li>Recognise mixed numbers and improper fractions and convert from one to the other</li> <li>Improper fractions and mixed numbers</li> <li>Identify and name equivalent fractions of a given fraction of a given fraction, represented visually including tenths and hundredths</li> <li>Multiply fractions and mixed numbers by whole number, supported by materials and diagrams</li> </ul>	<ul> <li>Recognise and use thousandths and relate them to tenths, hundredths, and decimals equivalents</li> <li>Round decimals with two decimals place</li> <li>Recognise the percent symbol and understand that percent relates to the number of parts per hundred and write percentages as a fraction with the denominator of 100 and as a decimal knowing percentage and decimal equivalents of ½, ½, 1/5, 2/5, 4/5 and those with a denominator of multiples of 10 and 25</li> </ul>	<ul> <li>Use all four operations to problems solve problems involving measure using decimal notations including scaling</li> <li>Measure and calculate the perimeter of composite rectilinear shapes in cm and m</li> <li>Calculate and compare the area od rectangles (including squares) using standard units and estimate the area of irregular shapes</li> </ul>		<ul> <li>Solve comparison, sum and difference problems using information presenter a line graph</li> <li>Complete and interpret information in tables, including timetables</li> </ul>	
Summer	Place Value      Know and use the vocabulary of prime numbers, prime factors and composite numbers Square numbers, prime numbers, prime numbers, prime numbers, prime numbers, prime numbers, prime numbers, prime numbers, prime numbers, prime numbers, prime numbers, prime numbers, prime numbers, prime numbers up to 100 is prime numbers up to 19	<ul> <li>Shape</li> <li>Identify 3D shapes from 2D representations</li> <li>Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles</li> <li>Draw given angles and measure them in degrees</li> <li>Identify angles at a point and one whole turn; angles at a point on a straight line and a ½ turn, other multiples of 90 degrees</li> <li>Use rectangles to deduce related facts and find missing lengths and angles</li> <li>Distinguish between regular and irregular polygons based on reasoning about equal sides and angles</li> </ul>	Position and Direction • 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	<ul> <li>Decimals</li> <li>Recognise and use thousandths and relate them to tenths, hundredths, and decimals equivalents</li> <li>Round decimals with two decimals place</li> <li>Recognise the percent symbol and understand that percent relates to the number of parts per hundred and write percentages as a fraction with the denominator of 100 and as a decimal knowing percentage and decimal equivalents of ½, ¼, 1/5, 2/5, 4/5 and those with a denominator of multiples of 10 and 25</li> </ul>	Negative Numbers       Converting U         •       Interpret       Converting U         negative       •       Convert between u         numbers in       •       Solving problems i         context, count       •       Solving problems i         forward and       •       Understand and u:         with positive       •       Understand and u:         whole       •       Use all 4 operation         numbers,       including       involving measure         •       •       •		y Units     Volume       n units of metric     Estimate 1       s involving converting     • Estimate 1       'time     capacity 0       'time     s and pints       ons to solve problems     re	

<u>Year 6</u>

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12

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Autumn	<ul> <li>Place Value</li> <li>Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit</li> <li>Round any whole number to a required degree of accuracy</li> <li>Use negative numbers in context and intervals across zero</li> <li>Identify the value of each digit in numbers given to three decimal places</li> </ul>	<ul> <li>Multiply a</li> <li>Calculation</li> <li>Solve problem</li> <li>Multiply not long mult</li> <li>Multiplying</li> <li>Divide number of the second se</li></ul>	<b>Four Operations</b> nd divide numbers by 10, 100, 1000 givin ons with mixed operations and large nu- blems involving addition, subtraction, r umbers up to 4 digit by 2 digit number iplication g 1-digit numbers with up to two decim mbers up to 4 digits by 2 digit number sion and interpret remainders as whole oriate for the context on division methods in cases where the	<ul> <li>Area, Perimeter and Volume</li> <li>Recognise when it is possible to use the formulae for area and volume of shapes</li> <li>Solve problems involving similar shapes where the scale factor is known or can be found</li> <li>Calculate, estimate and compare volume of cubes and cuboids using standard units</li> </ul>		<ul> <li>Fractions</li> <li>Use common factors simplify fraction the concept of equivalent fractions</li> <li>Multiply simples pairs of proper fractions, writing the answer in its simplest form</li> <li>Divide proper fractions by whole numbers</li> <li>Use common multiples to express fractions in the same denominations</li> <li>Compare and order fractions</li> <li>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</li> </ul>		
Spring	Fractions, Decimals and Percentages     Use common factors simplify fraction the concept of equivalent fractions     Multiply simples pairs of	Algebra • Use simple formula e • Express missing	<ul> <li>Shape</li> <li>Draw 2D shapes using given dimensions and angles</li> <li>Compare and classify geometric shapes based on their properties and sizes and find unknown angles in</li> </ul>	ShapeMeasurementraw 2D shapes using given imensions and angles ompare and classify eometric shapes based on neir properties and sizesUse, read write and convert between s units, converting measurements of ler and time, using decimal places Solve problems involving the calculation		Position and Direction         reen standard       • Describe positions on the full coordinate grid • Draw and translate simple shapes on the coordinate plane and         netres       simple shapes on the coordinate plane and		Sequences <ul> <li>Generate and descried a linear number sequences</li> </ul>
	<ul> <li>Multiply simples pairs of proper fractions, writing the answer in its simplest form</li> <li>Divide proper fractions by whole numbers</li> <li>Use common multiples to express fractions in the same denominations</li> </ul>	<ul> <li>number</li> <li>problem</li> <li>s</li> <li>algebrai</li> <li>cally</li> <li>Find</li> <li>pairs of</li> </ul>	<ul> <li>any triangles, quadrilaterals and regular polygons</li> <li>Recognise where angles meet at a point, are on a straight line, or at vertically opposite and find missing angles</li> </ul>	to three decimal places whe	ere appropriate	16164		
	<ul> <li>Compare and order fractions</li> <li>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions Solve problems</li> </ul>	number s that satisfy an equatio n with two	<ul> <li>Recognise, describe and build simple 3D shapes, including making nets</li> <li>Illustrate and name parts of circles, including radius, diameter and circumferences and known</li> </ul>					
	calculation of percentages	calculation of percentages ns						
Summer	Statistics <ul> <li>Interpret and construct pie ch graphs and use these to solve</li> <li>Calculate and interpret the m average</li> </ul>	arts and line problems ean as an	Ratio and proportion <ul> <li>Enumerate</li> <li>possibilities of</li> <li>combinations of two</li> <li>variables</li> </ul>	The Summer term is used	<b>Consolida</b> I to revise and consolida	<b>ition</b> ite all key skills	from the Autumn and	d Spring