Year 5/6 - Autumn Term

Week 1 Week 2 Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	
Number – Place Value	Number- Addition and		Number – multiplication and division			Statistics		Measurement: Perimeter,		
Read, write, order and compare	Subtraction		Multiply and divide nu	Solve comparison, sum		Area and Volume				
numbers to at least 1000000 and	east 1000000 and Add and subtract numbers		facts.			and difference problems		Measure and calculate the		
determine the value of each digit.	ermine the value of each digit. mentally with increasingly large		Multiply and divide wh	using information		perimeter of composite				
Read, write, order and compare	numbers.			presented in a line graph.		rectilinear shapes in cm				
numbers up to 10,000,000 and	Perform menta	l calculations,	Identify multiples and	Interpret and construct		and m.				
determine the value of each digit.	including with r	mixed	pairs of a number, and	pie charts a	nd line	Calculate and compare the				
Count forwards or backwards in steps	operations and	large numbers.	Identify common factor	ors, common multipl	les and prime	graphs and	use these to	area of rectangles		
of powers of 10 for any given number			numbers.			solve problems.		(including squares), and		
up to 1000000.	Add and subtrac	ct whole						including using standard		
	numbers with m	nore than 4	Multiply numbers up to	o 4 digits by a one or	gits by a one or two digit number		Complete, read and		units, cm ² , m ² estimate the	
Interpret negative numbers in	digits, including	using formal	using a formal written	interpret inf	ormation in	area of irregular shapes.				
context, count forwards and	written method	ls (columnar	for 2 digit numbers.	tables includ	ding	Recognise that shapes				
backwards with positive and negative	addition and su	btraction)	Multiply multi-digit number up to 4 digits by a 2-digit		timetables.		with the same			
whole numbers including through			number using the formal written method of long					have different perimeters		
zero.	Use rounding to check answers		multiplication.			Illustrate and name parts		and vice versa		
Use negative numbers in context,	to calculations and determine,			of circles, including		Recognise wh				
and calculate intervals across zero.	in the context o	•	Divide numbers up to 4 digits by a one digit number using the			radius, dian		possible to use formulae		
	levels of accura	cy.	formal written method		d interpret	circumferer	ice and know	for area and v	olume of	
Round any number up to 1000000 to	Use estimation	to check	remainders appropriately for the context.			that the dia	meter is	shapes.		
the nearest 10, 100, 1000, 10000 and	answers to calc	ulations and	, , ,		twice the radius.		Calculate the area of			
100000	determine in th		using the formal written method of long division, and				parallelograms and			
Round any whole number to a	problem, an ap		interpret remainders a	Calculate th	e mean as an	triangles.				
required degree of accuracy.	degree of accur	-	fractions, or by roundi			average.		Estimate volui	•	
	Solve addition a		Divide numbers up to					example using	-	
Solve number problems and practical	multi-step prob		formal written method		nterpreting			to build cuboi	•	
problems that involve all of the	contexts, decidi	_	remainders according					cubes)] and ca		
above.	operations and	methods to use	Use their knowledge of the order of operations to carry out				example, using water]			
Solve number and practical problems	and why.		calculations involving the four operations.				Calculate, estimate and			
that involve all of the above.	Solve addition a		Solve problems involving addition and subtraction,				compare volume of cubes			
	multi step prob		multiplication and divis		·			and cuboids using		
Read Roman numerals to 1000 (M)	contexts, decid	_	including understanding	<u> </u>				standard unit	•	
and recognise years written in Roman	operations and	methods to	Solve problems involving addition, subtraction,				cm ³ , m ³ and extending to			
numerals.	use and why.		multiplication and divi	ision.				other units (m	nm³, km³)	



Year 5/6 - Spring Term

, ,								
Week 1 Week 2 Week 3 Week 4 Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	
Number: Fractions Compare and order fractions whose denominators are multiples of the same number. Compare and order fractions, including fractions > 1 Identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths. Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.	Number: Decimal Read, write, orde decimal places. Recognise and us hundredths and divided by 10, 100 and 10 Identify the value places and multiplanswers up to 3 of the search of the se	r and compare net thousandths a decimal equivale de whole number 1000. The of each digit in the ply numbers by the same the ply numbers by the same the sam	numbers with up nd relate them to nts. ers and those invo	o tenths, olving decimals to 3 decimal	Year 5 – Multiplication and Division and RE Recognise and use square numbers and cunumbers and the notation for squared (²) a cubed (³) Know and use the vocabulary of prime numbers and composite (non-prime) numbers Establish whether a number up to 100 is pand recall prime numbers up to 19 Solve problems involving multiplication a			
Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements >1 as a mixed number [for example $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}$] Add and subtract fractions with the same denominator and denominators that are multiples of the same number. Add and subtract fractions with different denominations and mixed	Round decimals v number and to or Solve problems w specified degrees	with two decimal ne decimal place which require an s of accuracy.	s. Iswers to be roui	nded to	division includi factors and mu Year 6: Algebra Use simple for	ng using their kno Iltiples, squares an and Ratio	wledge of d cubes.	
numbers, using the concept of equivalent fractions. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]	Multiply one-diging whole numbers. Use written division to 2 decimal place. Recognise the personance to the personance t	ion methods in oes.	cases where the	answer has up	Find pairs of numerith two unknowns Enumerate postariables.	sibilities of combi	an equation	
Divide proper fractions by whole numbers [for example $\frac{1}{3} \div 2 = \frac{1}{6}$] Read and write decimal numbers as fractions [for example $0.71 = \frac{71}{100}$] Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example $\frac{3}{8}$] Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.	relates to 'number as a fraction with Solve problems we equivalents of $\frac{1}{2}$, of a multiple of 10 Solve problems in example, of mean percentages for contact of the solve problems in the solve p	denominator 10 which require known $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and tho 0 or 25. Involving the calculates and such a	00, and as a decir owing percentage se fractions with culation of perce	mal. e and decimal a denominator entages [for	two quantities found by using division facts. Solve problems the scale factor	s involving the relative where missing valuation integer multiplicates involving similaring the known or can be sinvolving unequa	ues can be tion and shapes where se found.	

Recall and use equivalences between simple fractions, decimals

and percentages, including in different contexts.



grouping using knowledge of fractions and

multiples

Year 5/6 - Summer Term

Week 1 We	eek 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12		
Measurement- converting unit	<u>ts</u>	Geometry-	Geometry- Prope										
Convert between different units of position and		Identify 3D shapes, including cubes and other											
metric measure [for example,	metric measure [for example, km and m; direction		cuboids, from 2D representations.										
cm and m; cm and mm; g and kg; l and ldentify,				Investigations									
ml]		describe and	Use the properti	Use the properties of rectangles to deduce									
Use, read, write and convert between represent the			related facts and										
standard units, converting		position of a	angles.										
measurements of length, mas	measurements of length, mass, volume shape following												
and time from a smaller unit of	of measure	a reflection or	Distinguish betw										
to a larger unit, and vice versa	to a larger unit, and vice versa, using translation,			on reasoning abo	ut equal sides								
decimal notation to up to 3dp) .	using the	and angles.										
		appropriate	Compare and cla	• •	-								
Understand and use approxim		language, and	on their propert										
equivalences between metric		know that the	angles in any tria	<u> </u>	erals and								
common imperial units such as	s inches,	shape has not	regular polygons	5.									
pounds and pints.		changed.											
Convert between miles and ki	ilometres.		Know angles are	_									
		Describe	and compare acu	ute, obtuse and re	eflex angles.								
Solve problems involving conv	erting	positions on the											
between units of time.		full coordinate	Draw given angle	es, and measure t	them in								
Use all four operations to solve	-	grid (all four	degrees (°)										
involving measure [for examp	_	quadrants).	Draw 2-D shapes	s using given dim	ensions and								
mass, volume, money] using d	lecimal	_	angles.										
notation, including scaling.		Draw and											
Solve problems involving the		translate simple	Identify: angles a	· · · · · ·									
and conversion of units of me	-	shapes on the		es at a point on a	_								
using decimal notation up to t		coordinate	and ½ a turn (tot	•	•								
decimal places where appropr	riate.	plane, and reflect them in	Recognise angles	-									
			are on a straight	•	-								
		the axes.	opposite, and fir	iu missing angles									

