Year 6	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	Number: Place Value I can read, write and represent numbers to 10,000,000 and determine the value of each digit. I can compare and order any number up to 10 000 000. I can round any whole number to a required degree of accuracy I can use negative numbers in context, and calculate intervals across zero		Number: Addition, Subtraction, Multiplication and DivisionI can add and subtract integers.I can multiply and divide whole numbers and those involvingdecimals by 10, 100 and 1000 giving answers up to 3 decimal places.I can multiply up to 4 digits by a two-digit whole number using theformal written method of long multiplication.I can divide using factors (mental methods and short division).I can divide numbers up to 4 digits by a two-digit whole numberusing the formal written method of long division, and interpretremainders as whole number remainders, fractions, or by rounding,as appropriate for the context.I can explore the order of operations using brackets; for example, 2 $+ 1 \times 3 = 5$ and $(2 + 1) \times 3 = 9$ I can perform mental calculations, including with mixed operations,large numbers and applying knowledge of known facts.I can apply my knowledge of squared and cubed numbers to explorethe relationship between them.					Number: Fraction I can use common denominator. I can compare a the denominator I can compare a the numerator. I can add and su and mixed numb I can multiply fra I can multiply sin answer in its sim I can divide prop I can associate a fraction equivale [for example,3/8 I can find fraction I can find the wh is 80g, what is th	Geometry: Position and Direction			
	number value ch Place value c base 10, colour co	e ble, bar humber track, lines, place art	 Fluency Knowledge of times tables and division facts up to 12 x 12. Automaticity of number bonds to apply to larger numbers. Representations and structure Part part whole, bar model, number track, number lines, place value chart Place value counters, base 10, cubes. 					same rule to the versa). In mixed numbe the parts. When subtractir parts that make with subtraction children would u	numerator as rs, I can under ng mixed numb the whole and when breakir use equivalenc	s the denomina rstand that I ac pers, I understa d that they can ng the whole (e re to convert ¾	Id the wholes then and the number of be used to support e.g. 2 ¾ - 7/8 so the	

one of the one wholes and add it to the 6/8 to get 14/8 to complete the subtraction. The answer would be 1 7/8). Can count in fractions. Can understand that when the numerators and denominators are the same, this is equal to one whole. Can understand that when comparing unit fractions the smaller the denominator, the larger the fraction (e.g. $\frac{1}{2} > 1/3$). Can understand that when the denominators are the same, normal rules of arithmetic apply (e.g. $3/7 + 2/7 = 5/7$)
When comparing fractions, I can use what I already know (rather than always resorting to equivalence).Can fluently apply times table and division fact knowledge when finding equivalence and simplifying fractions.When the integer is divisible by the numerator, I can divide
(rather than reciprocal method). Representations and structure Bar model, shape, non-examples and examples (e.g. not two equal parts, compared to two equal parts), number line (with pictorial representations and fraction form), part part whole.

Year 6	1	2	3	4	5	6	7	8	9	10	11	12
Spring	Consolidate	Number: Dec I can read, we order up to t places. I can multiply and 1,000. I can divide b and 1,000. I can divide b and 1,000. I can multiply numbers with decimal place numbers. I can divide o numbers with decimal place numbers. I can use writt methods in c the answer h decimal place I can recall ar equivalences simple fractic decimals.	rite and hree decimal y by 10, 100 y 10, 100 y 10, 100 y one-digit n up to two es by whole me-digit n up to two es by whole tten division ases where as up to two es. nd use between	Number: Pero I can convert percentages. I can recognis FDPs. I can order FE I can find pero an amount. I can find the value.	fractions to e equivalent OP. centages of	Number: Alg I can find and one-step rule I can find and two-step rule I can form ex using algebra I can use sym letters for su I can use form I can solve or equations. I can solve tw equations. I can find pai numbers tha equation wit unknowns I can generat describe line sequences.	d express a e. d express a e. cpressions a. hbols and ibstitution. mulae. quations. ne step wo step irs of t satisfy an h two te and	Measurement: Converting Units	Measuremen Perimeter, A Volume		Number: Ratio I can understand the language of ratio. I can make links between fractions and ratio. I can recognise the symbol for ratio. I can use scale factors. I can calculate scale factors. I can solve ratio and proportion problems.	Statistics

Fluency	Fluency	Fluency		Fluency	
Know that the decimal	Understand that	Understand that for each		Understand that	
place is a fixed point to	percentage means part	number they put into a		a ratio shows the	
the right of the ones.	per 100.	function machine, there		relationship	
When multiplying by 10,	Use understanding of	is an output.		between two	
100 or 1,000 the digits move to the left (the 0	finding ½, ¼, 1/10 and make links to percentages	Know to "work		values and can	
place value holders tell	(e.g. 50% = ½).	backwards" to find the		describe how one	
you the number of place	(0.8. 00/0 /2).	input given the output.		is related to	
value columns to move).	Representations and	Know inverse operations.		another.	
When dividing by 10, 100	structure	Fluency of all four		Know that the	
or 1,000 the digits move	Bar model, shape, non-	number operations.		colon symbol	
to the right (the 0 place	examples and examples			links to the	
value holders tell you the number of place value	(e.g. not two equal parts,	Representations and		language 'for	
columns to move).	compared to two equal	structure		every, there	
Representations and	parts), number line (with	Table, function		are'	
structure	pictorial representations and fraction form), part	machines, counters,		Apply multiple	
Bar model, shape, non-	part whole, hundred grid,	cubes, bar model, shape.		knowledge to	
examples and examples	place value model, dienes,			scaling (e.g. five	
(e.g. not two equal parts,	rods and flats.			times as big).	
compared to two equal				Representations	
parts), number line (with				And structure	
pictorial representations and fraction form), part				Bar model,	
part whole, hundred grid,				counters, cubes,	
place value model,				shape.	
dienes, rods and flats,					
rulers and tape					
measures, money.					

Year 6	1	2	3	4	5	6	7	8	9	10	11	12
Summer	Geometry: Pr Shapes	operties of	SATs Prepar	ration								