Year 5	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	100,000. I can round a the nearest 1 I can compar 100,000. I can round n and 100,000. I can read, w 1,000,000. I can count for fowers of to 1 000 000 E.g. cour I can compar 1,000,000. I can round a the nearest 1 100 000. I can interprecontext, cour with positive including three I can read Ro	rite and represer in y number up to 10, 100 and 1,000 and 1,000 and order numbers to the numbers to the numbers to the numbers or backwidth for any given and order number up to 10, 100, 1000,	o 100,000 to o). bers to earest 10,000 of numbers to vards in steps number up 10000s bers to o 1 000 000 to 000 and eers in backwards nole numbers, o 1000 (M)	Number: Add Subtraction I can add who with more tha including usin written metho I can subtract numbers with digits, includin formal writte I can round to and approxim I can add and numbers mer increasingly la numbers.	ole numbers an 4 digits, g formal ods. whole more than 4 ng using n methods. estimate ate answers.	Statistics	Number: Multip I can identify mu factor pairs of a numbers I know and use of factors and com I know how to fi 19. I can recognise of and the notation I can multiply ar 100 and 1000.	ultiples and fact number, and co the vocabulary posite (non-pri ind primes up to and use square n for squared (2	ors, including formmon factors of prime numbers of 100 and recal numbers and conditions and cubed (3)	of two ers, prime I primes up to ube numbers,	Measurement: Pe	erimeter

Representations and structure	Fluency	Fluency
Representations and structure Part part whole, bar model, number trace number lines, place value chart Place value counters, base 10, doublesided colour counters for negative numbers.	k, 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	Fluency Automaticity of multiplication and division facts up to 12 x 12. Representations and structure Hundred square, number lines, number tracks, arrays, place value chart. Numicon, digit cards, place value counters, base 10. *equal groups of representations
	Place value counters, base 10, cubes.	

Year 5	1	2	3	4	5	6	7	8	9	10	11	12
Spring		Number: Multiplication and Division I can multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers to solve		I can identify, I can recognis the other. I can compare of the same n I can compare	Number: Fractions I can identify, name and write equivalent fractions of any given fraction. I can recognise mixed numbers and improper fractions and convert from one form to the other. I can compare and order fractions less than one, whose denominators are all multiples of the same number. I can compare and order fractions greater than one, whose denominators are all multiples of the same number.					Number: Decimals and Percentages I can read, write, order and compare decimal numbers to 2 decimal places. I can read, write, order and compare decimal numbers as fractions, including tenths and hundredths. I can understand thousandths. I can understand thousandths as		
	Consolidate	problems. I can divide nu digits by a one using the form method of sho and interpret i appropriately context.	al written ort division remainders	the same nun I can add mix I can subtract of the same n I can subtract whole amoun I can subtract I can multiply materials and I can find frac	nber. ed numbers. fractions with umber. , breaking the t). two mixed nui proper fractio	the same deno whole (e.g. 2 ¾ mbers. ns and mixed r	ominator and den	ominators that need to exchan	are multiples	decimals. I can round to 1 decimal place. I can read, write, order and compare decimal numbers. I can recognise and understand the percent symbol and write percentages as a fraction with denominator of a 100 & as a decimal (equivalence).		he ntages as

Fluency

Automaticity of multiplication and division facts up to 12 x 12.

Representations and structure

Hundred square, number lines, number tracks, arrays, place value chart.

Numicon, digit cards, place value counters, base 10.

*equal groups of representations

Fluency

Can understand that when using equivalence, I must apply the same rule to the numerator as the denominator (and vice versa).

In mixed numbers, I can understand that I add the wholes then the parts.

When subtracting mixed numbers, I understand the number of parts that make the whole and that they can be used to support with subtraction when breaking the whole (e.g. 2 % - 7/8 so the children would use equivalence to convert % to 6/8 and recognise that 6/8 - 7/8 is not possible so they will need to use 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. $\frac{1}{2} > \frac{1}{3}$).

Can understand that when the denominators are the same, normal rules of arithmetic apply (e.g. 3/7 + 2/7 = 5/7)

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.

Fluency

Know that the decimal place is a fixed point to the right of the ones.

Can understand that tenths are larger than hundredths and hundredths are larger than thousandths (e.g. 0.1 is larger than 0.01, 0.001 is smaller than 0.01).

Can understand that when comparing and ordering decimals they need to apply their knowledge of place value.

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, hundred grid, place value model, dienes, rods and flats, rulers and tape measures.

Year 5	1	2	3	4	5	6	7	8	9	10	11	12
Summer		Number: Decir Percentages I can add decir I can subtract within 1. I can make the adding decimal can add decir the whole. I can add and secimals with number of decir add and secimals with number of decir add and secimals with number of decir can add and secimals with number of deci	mals within 1. decimals whole when als. mals, crossing subtract the same cimal places. subtract a different cimal places. subtract becimals decimals decimals by 000. cimals by 10,	Geometry: Property of Shape			Geometry: Posit Direction	on and	Measuremen Units	t: Converting	Measurement: Volume	
	Consolidate	Fluency Can fluently con hundredths, the and known muster and 100, to appear whole. Know that the place is a fixed right of the on When multiply 100 or 1,000 the move to the levalue holders anumber of placolumns to more	nousandths ultiples. bonds to 10 ply to 1 decimal l point to the es. ving by 10, he digits ff (the 0 place tell you the ce value									

		1		
When dividing by 10, 100				
1,000 the digits move to	e			
right (the 0 place value				
holders tell you the numb	r			
of place value columns to				
move).				
Know to put place value				
holder '0' when adding o				
subtracting decimals with				
different number of decir	al			
places.				
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 p				
whole, hundred grid, place				
value model, dienes, rods				
and flats, rulers and tape				
measures, money.				