







			COUNTING IN FRACT	TIONAL STEPS			
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			Pupils should count in fractions up to 10, starting from any number and using the 1/2 and 2/4 equivalence on the number line (Non Statutory Guidance)	count up and down in tenths	count up and down in hundredths		
			RECOGNISING FF				
		recognise, find and name a half as one of two equal parts of an object, shape or quantity	recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity	recognise, find and write fractions of a discrete set of objects: unit fractions and nonunit fractions with small denominators  recognise that tenths arise from dividing an object into 10 equal parts and in dividing one — digit numbers or	recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten	recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (appears also in Equivalence)	
		recognise, find and	-	quantities by 10. recognise and use			
		name a quarter as		fractions as			
		one of four equal		numbers: unit			
		parts of an object, shape or quantity		fractions and non- unit fractions with small			
				denominators			









COMPARING FRACTIONS							
	compare and	compare and compare and					
	order unit	order fractions order fractions					
	fractions, and	whose including					
	fractions with the	denominators fractions >1					
	same	are all multiples					
	denominators	of the same					
		number					











				СОМР	PARING DECIMALS		
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
					compare numbers with the same number of decimal places up to two decimal places	read, write, order and compare numbers with up to three decimal places	identify the value of each digit in numbers given to three decimal places
				ROUNDING	INCLUDING DECIMALS		
					round decimals with one decimal place to the nearest whole number	round decimals with two decimal places to the nearest whole number and to one decimal place	solve problems which require answers to be rounded to specified degrees of accuracy
			EQUIVALE	NCE (INCLUDING FR	RACTIONS, DECIMALS AND	PERCENTAGES)	,
			write simple fractions e.g. $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{1}{4}$ and $\frac{1}{2}$ .	recognise and show, using diagrams, equivalent fractions with small denominators	recognise and show, using diagrams, families of common equivalent fractions	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
					recognise and write decimal equivalents of any number of tenths or hundredths	read and write decimal numbers as fractions (e.g. $0.71 = \frac{71}{100}$ ) recognise and use thousandths	associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g.
						and relate them to tenths, hundredths and decimal equivalents	3/8)
					recognise and write decimal equivalents to $\frac{1}{4}$ ; $\frac{1}{2}$ ; $\frac{3}{4}$	recognise the per cent symbol (%) and understand that per cent relates to "number of parts per hundred", and write percentages as a fraction with denominator	recall and use equivalences between simple fractions, decimals and percentages, including in different









Parkets II (1891)			. Tractions (including		7	100 as a decimal fraction	contexts.		
	ADDITION AND SUBTRACTION OF FRACTIONS								
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
				add and subtract fractions with the same denominator within one whole $(e.g. \frac{5}{7} + \frac{1}{7} = \frac{6}{7})$	add and subtract fractions with the same denominator	add and subtract fractions with the same denominator and multiples of the same number recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number (e.g. $\frac{2}{5} + \frac{4}{5} + \frac{1}{5} = \frac{6}{5} = \frac{1}{5} = \frac{1}{5}$ )	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions		
				MULTIPLICATION	AND DIVISION OF FRACTIO				
				WOETH EICHTON	THE BITTER OF THE CITE	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 (e.g. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ ) multiply one-digit numbers with up to two decimal places by whole numbers		
							divide proper fractions by whole numbers (e.g. $\frac{1}{3}$ ; ÷ $2 = \frac{1}{6}$ )		









				MULTIPLICATION	AND DIVISION OF DECIMA	LS	
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
							multiply one-digit
							numbers with up to two
							decimal places by whole
							numbers
					find the effect of		multiply and divide
					dividing a one- or two-		numbers by 10, 100 and
					digit number by 10 and		1000 where the answers
					100, identifying the		are up to three decimal
					value of the digits in the		places
					answer as ones, tenths		
					and hundredths		
							identify the value of each
							digit to three decimal
							places and multiply and
							divide numbers by 10, 100
							and 1000 where the
							answers are up to three
							decimal places
							associate a fraction with
							division and calculate
							decimal fraction
							equivalents (e.g. 0.375)
							for a simple fraction
							(e.g. <sup>3</sup> / <sub>8</sub> )
							use written division
							methods in cases where
							the answer has up to two
							decimal places





### Number: Fractions (including Decimals and Percentages) V

### **Whole-School Curriculum Progression Map**





	PROBLEM SOLVING									
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
				solve problems that involve all of the above	solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number	solve problems involving numbers up to three decimal places				
					solve simple measure and money problems involving fractions and decimals to two decimal places.	solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$ , $\frac{1}{4}$ , $\frac{1}{5}$ , $\frac{2}{5}$ , $\frac{4}{5}$ and those with a denominator of a multiple of 10 or 25.				

**GREATER DEPTH** 

Learning can be transferred and applied in different contexts.

Pupils can explain their understanding to others.

Pupils can make connections with other areas of learning and new areas.