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EYFS Development Matters (DM) Objectives & NC Objectives

			COUNTING	IN FRACTIONAL STEPS			
EYFS	ELG	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
beginning to use the term "half" and understand it means sharing into 2 equal parts			Pupils should count in fractions up to 10, starting from any number and using the1/2 and 2/4 equivalence on the number line (Non Statutory Guidance)	count up and down in tenths	count up and down in hundredths		
				NISING FRACTIONS			
		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 quantities by 10.	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 name a quarter as one of four equal parts of an object, shape or quantity		recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators			

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	COMPARING FRACTIONS							
		compare and order unit fractions, and fractions with the same denominators		compare and order fractions whose denominators are all multiples of the same number	compare and order fractions, including fractions >1			
	CC	OMPARING DECIMALS						
			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			
E	QUIVALENCE (INCLUDING FR	ACTIONS, DECIMALS AN	ND PERCENTAGES)					
	write simple fractions e.g. $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{1}{2}$, 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	read and write decimal numbers as fractions (e.g. $0.71 = \frac{71}{100}$)	associate a fraction with division and calculate decimal			

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			recognise and write decimal equivalents to $\frac{1}{4}$; $\frac{1}{2}$; $\frac{3}{4}$	recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents 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 100 as a decimal fraction	equivalents (e.g. 0.375) for a simple fraction (e.g. $\frac{3}{8}$) recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.
	ADDITION AND SU	JBTRACTION OF FRACTI	ONS	decimal fraction	
		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. $^2/_5$ + $^4/_5$ = $^6/_5$ = $1^1/_5$)	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions

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Key concepts that create solid foundations in EYFS to build upon for the NC Objectives

NC Objective appears elsewhere within the same topic progression document
NC Objective also appears in another topic progression document

	MULTIPLICATION A	AND DIVISION OF FRACT	TIONS		
				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 DECI	MALS		
					multiply one-digit numbers with up to two decimal places by whole numbers
			find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths		multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places

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					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. ³ / ₈) use written division methods in cases where the answer has up to two decimal places
	PRO	BLEM SOLVING			
		solve problems that involve all of the above	solve problems involving increasingly harder fractions to calculate quantities, and	solve problems involving numbers up to three decimal places	

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		fractions to divide		
		quantities,		
		including non-unit		
		fractions where the		
		answer is a whole		
		number		
		solve simple	solve problems which	
		measure and	require knowing	
		money problems	percentage and	
		involving fractions	decimal equivalents of	
		and decimals to	$\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and	
		two decimal places.		
		•	those with a	
			denominator of a	
			multiple of 10 or 25.	