



	COUNTING IN FRACTIONAL STEPS						
EYFS	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 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			
			RECOGNISIN	G 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 $1/3$ , 1/4, $2/4$ and $3/4$ of a length, shape, set of objects or quantity	recognise, find and write fractions of a discrete set of objects: unit fractions and non- unit 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				
			COMPARINO	<b>FRACTIONS</b>			
			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	





	COMPARING DECIMALS					
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				compare numbers	read, write, order and	identify the value of
				with the same number	compare numbers with	each digit in numbers
				of decimal places up	up to three decimal	given to three
				to two decimal places	places	decimal places
			ROUNDING IN	CLUDING DECIMALS		
				round decimals with	round decimals with	solve problems which
				one decimal place to	two decimal places to	require answers to be
				the nearest whole	the nearest whole	rounded to specified
				number	number and to one	degrees of accuracy
					decimal place	
			LENCE (INCLUDING FRAC	-	-	-
		write simple fractions	recognise and show,	recognise and show,	identify, name and	use common factors
		e.g. $^{1}/_{2}$ of 6 = 3 and	using diagrams,	using diagrams,	write equivalent	to simplify fractions;
		recognise the	equivalent fractions	families of common	fractions of a given	use common
		equivalence of <sup>2</sup> / <sub>4</sub> and	with small	equivalent fractions	fraction, represented	multiples to express
			denominators		visually, including	fractions in the same
		<sup>1</sup> / <sub>2</sub> .			tenths and hundredths	denomination
				recognise and write	read and write decimal	associate a fraction
				decimal equivalents of	numbers as fractions	with division and
				any number of tenths or hundredths	(e.g. $0.71 = \frac{71}{100}$ )	calculate decimal fraction equivalents
					recognise and use	(e.g. 0.375) for a
					thousandths and relate	simple fraction (e.g.
					them to tenths,	<sup>3</sup> / <sub>8</sub> )
					hundredths and decimal	' 8'
					equivalents	
				recognise and write	recognise the per cent	recall and use
				decimal equivalents to	symbol (%) and	equivalences





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				<sup>1</sup> / <sub>4</sub> ; <sup>1</sup> / <sub>2</sub> ; <sup>3</sup> / <sub>4</sub>	understand that per cent relates to "number	between simple fractions, decimals
					of parts per hundred", and write percentages	and percentages, including in different
					as a fraction with	contexts.
					denominator 100 as a decimal fraction	
			ADDITION AND SUB	TRACTION OF FRACTION	S	
EYFS	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. $\frac{2}{5}$ + $\frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$ )	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
			MULTIPLICATION AN	D DIVISION OF FRACTION		 _
					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. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ )





			MULTIPLICATION A	ND DIVISION OF DECIMALS		multiply one-digit numbers with up to two decimal places by whole numbers divide proper fractions by whole numbers (e.g. $\frac{1}{3} \div 2$ $= \frac{1}{6}$ )
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				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 one-digit numbers with up to two decimal places by whole numbers multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places
						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





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						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
			PROBL	EM SOLVING	L	
EYFS	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.	