

COUNTING IN FRACTIONAL STEPS							
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				
		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 $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ 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 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					
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		



			COMPARING DECIMA	LS	
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 DEG	CIMALS	
		FOUNDATENOS	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
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	write simple fractions e.g. $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ 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 and relate them to tenths, hundredths and decimal equivalents	associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. $^3/_8$)
			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 100 as a decimal fraction	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.

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Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		add and subtract fractions	add and subtract fractions	add and subtract fractions	add and subtract fractions
		with the same	with the same	with the same	with different
		denominator within one	denominator	denominator and	denominators and mixed
		whole (e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$)		multiples of the same	numbers, using the
		, , , , , , , , , , , , , , , , , , , ,		number	concept of equivalent
				recognise mixed numbers	fractions
				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)	
		MULTIPLICATION AND I	DIVISION OF FRACTIONS		
				multiply proper fractions	multiply simple pairs of
				and mixed numbers by	proper fractions, writing
				whole numbers,	the answer in its simplest
				supported by materials and diagrams	form (e.g. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$)
				and and anno	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 DECIMALS		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
					multiply one-digit



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					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		
					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		
PROBLEM SOLVING							
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	solve problems involving numbers up to three decimal places			



	quantities, and fractions		
	to divide quantities,		
	including non-unit		
	fractions where the		
	answer is a whole number		
	solve simple measure and	solve problems which	
	money problems involving	require knowing	
	fractions and decimals to	percentage and decimal	
	two decimal places.	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.	