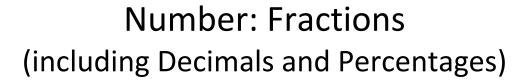


Number: Fractions (including Decimals and Percentages)



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 $^{1}/_{3}$, $^{1}/_{4}$, $^{2}/_{4}$ 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						
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			

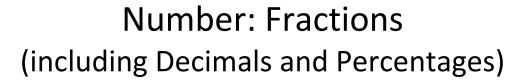






COMPARING DECIMALS							
Year 1	Year 1 Year 2 Year 3		Year 4	Year 5	Year 6		
			compare numbers with the same number of decimal places up to two decimal places	read, write, order and compare numbers with up to three decimal places	identify the value of each digit in numbers given to three decimal places		
			ROUNDING INCLUDING DEC	CIMALS			
		FOUNDAMENOE	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		
	write simple fractions e.g. $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{1}{4}$ and	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 equivalents to $\frac{1}{4}$; $\frac{1}{4}$	' ₂ ; ³ / ₄	understand that property write percentage denominator 100	cent symbol (%) and per cent relates to per hundred", and s as a fraction with	betv deci	all and use equivalences ween simple fractions, imals and percentages, uding in different contexts.
Year 1 Year 2			Year 3		Year 4	Year 5		Year 6
		with t deno	nd subtract fractions the same minator within one e (e.g. $\frac{5}{7}$ + $\frac{1}{7}$ = $\frac{6}{7}$)	add and s with the denomin		add and subtract fraction with the same denominator and multiples of the same number recognise mixed number and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mix number (e.g. $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = \frac{1}{5}$)	ers	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
MULTIPLICATION AND DIVISION OF FRACTIONS								
						multiply proper fraction and mixed numbers by whole numbers, supported by materials		multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{2}$)



Number: Fractions (including Decimals and Percentages)



				and diagrams	multiply one-digit numbers with up to two decimal places by whole numbers divide proper fractions by whole numbers (e.g. $\frac{1}{3}$ ÷ $2 = \frac{1}{6}$)
			DIVISION OF DECIMALS		
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



Number: Fractions (including Decimals and Percentages)



					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 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.	