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) Spring 4	count up and down in tenths Spring 3	count up and down in hundredths Spring 4 Summer 1				
			G FRACTIONS				
recognise, find and name a half as one of two equal parts of an object, shape or quantity Summer 2	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 Summer 1 Recognise the equivalence of 2/4 and ½ Summer 1	recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators Spring 3 recognise that tenths arise from dividing an object into 10 equal parts and in dividing one — digit numbers or quantities by	recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten Spring 4 Summer 1	recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (appears also in Equivalence) Spring 3			
		10. Spring 5					
recognise, find and name a quarter as one of four equal parts of an object, shape or quantity Summer 2		recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators Spring 3					
COMPARING FRACTIONS							
		compare and order unit fractions, and fractions with the same denominators Spring 3		compare and order fractions whose denominators are all multiples of the same number Autumn 4	compare and order fractions, including fractions >1 Autumn 3		

COMPARING DECIMALS						
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 Spring 4 & Summer 1	read, write, order and compare numbers with up to three decimal places Spring 3	identify the value of each digit in numbers given to three decimal places Spring 1	
			ROUNDING INCLUDING DEC	CIMALS		
			round decimals with one decimal place to the nearest whole number Spring 4 & Summer 1	round decimals with two decimal places to the nearest whole number and to one decimal place Spring 3	solve problems which require answers to be rounded to specified degrees of accuracy Spring 1	
		EQUIVALENCE	(INCLUDING FRACTIONS, DECIN	MALS AND PERCENTAGES)		
	write simple fractions e.g. $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$. Summer 1	recognise and show, using diagrams, equivalent fractions with small denominators Summer 1	recognise and show, using diagrams, families of common equivalent fractions Spring 3	identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths Autumn 4	use common factors to simplify fractions; use common multiples to express fractions in the same denomination Autumn 3	
			recognise and write decimal equivalents of any number of tenths or hundredths Spring 4 Summer 1	read and write decimal numbers as fractions (e.g. $0.71 = \binom{71}{100}$) Spring 3 recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents Spring 3	associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. $\frac{3}{8}$) Spring 1 & 2	
			recognise and write decimal equivalents to $\frac{1}{4}$; $\frac{1}{2}$; $\frac{3}{4}$ Spring 4 Summer 1	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 Spring 3	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. Spring 3 & 4	

ADDITION AND SUBTRACTION OF FRACTIONS						
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. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$) Summer 1	add and subtract fractions with the same denominator Spring 3	add and subtract fractions with the same denominator and multiples of the same number Spring 3 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. $\frac{2}{5} + \frac{4}{5} = \frac{6}{5}$ = $\frac{1}{5}$ Autumn 4	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions Autumn 3 & 4	
		MULTIPLICATION AND I	DIVISION OF FRACTIONS	Autumn 4		
		MOETH EIGHTION AND		multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams Spring 3	multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$) Autumn 3 & 4 multiply one-digit numbers with up to two decimal places by whole numbers Spring 1 divide proper fractions by	
					whole numbers (e.g. $\frac{1}{3}$ ÷ $2 = \frac{1}{6}$) Autumn 3 7 4	

MULTIPLICATION AND DIVISION OF DECIMALS					
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 Spring 1
			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 Spring 4		multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places Spring 1
					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 Spring 3
					associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. ³ / ₈) Spring 3 & 4
					use written division methods in cases where the answer has up to two decimal places Spring 1

PROBLEM SOLVING						
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
		solve problems that involve all of the above Spring 3 Summer 1	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 Spring 3	solve problems involving numbers up to three decimal places Summer 1		
			solve simple measure and money problems involving fractions and decimals to two decimal places. Spring 3 & 4 Summer 1	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.		