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IV.	Y1	Y2	Y3	Y4	Y5	Y6
		Pupils should count in	count up and	count up and		
		fractions up to 10,	down in tenths	down in		
		starting from any		hundredths		
		number and using the1/2				
		and 2/4 equivalence				
		on the number line.				
	T		COGNISING FRACTIO	T		
	recognise, find and	recognise, find, name and	recognise, find and	recognise that	recognise and use	
	name a half as one of	1 1 2	write fractions of a	hundredths arise	thousandths and	
	two equal parts of an	write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$	discrete set of	when dividing an	relate them to	
	object, shape or	and $\frac{3}{4}$ of a set of objects,	objects: unit	object by one	tenths, hundredths	
	quantity	4 3 4 3 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	fractions and non-	hundred and	and decimal	
		shape, quantity or length.	unit fractions with	dividing tenths by	equivalents	
			small denominators	ten	(appears also in	
			(2,5,10,3,4,8)		Equivalence)	
			recognise that tenths			
			arise from dividing			
			an object into 10			
			equal parts and in			
			dividing one – digit			
			numbers or			
			quantities by			
			10.			
	recognise, find and		recognise and use			
	name a quarter as		fractions as			
	one of four equal		numbers: unit			
	parts of an object,		fractions and non-			
	shape or quantity		unit fractions with			
			small denominators (2,5,10,3,4,8)			





COMPARING FRACTIONS						
	compare and	compare and order	compare and	compare and		
	order unit	unit fractions, and	order fractions	order		
	fractions, and	fractions with the	whose	fractions,		
	fractions with the	same	denominators	including		
	same	denominators	are all multiples	fractions >1		
	denominators	(Consolidation from	of the same			
		Year 3)	number			





	COMPARING DECIMALS								
Rec	Y 1	Y 2	Y3	Y 4	Y5	Y6			
			POLIND	compare numbers with the same number of decimal places up to two decimal places ING INCLUDING DECIM	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			
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				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, up to 2 decimal places.			
	•	EQU	IVALENCE (INCLUDI	ING FRACTIONS, DECIMALS A	ND PERCENTAGES)				
		write simple fractions e.g. / of 6 = 3 and recognise the equivalence of /4 and 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 71 fractions (e.g. $0.71 = 100$ ) 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. / )			





	recognise and write decimal equivalents to 1/4, 1/2 and 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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	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. $\frac{5}{7} + \frac{1}{7} = \frac{7}{7}$ ) $\frac{6}{7}$	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. $\frac{2}{5} + \frac{4}{5} = \frac{6}{5}$ = $\frac{1}{5}$ )	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions		
		MULTIPLICATION AND I	DIVISION OF FRACTIONS				
				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. $\frac{1}{4} \times \frac{1}{4} = \frac{1}{2}$ ) $\frac{1}{8}$ multiply one-digit numbers with up to two decimal places by whole numbers divide proper fractions by whole numbers (e.g. $\frac{1}{3} \div \frac{1}{3}$ ) $\frac{1}{6}$		





	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		
			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. <sup>3</sup> / <sub>8</sub> )		
					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 $\frac{1}{2}$ , $\frac{1}{4}$ , $\frac{1}{5}$ and those with a denominator of a multiple of 10 or 25.	