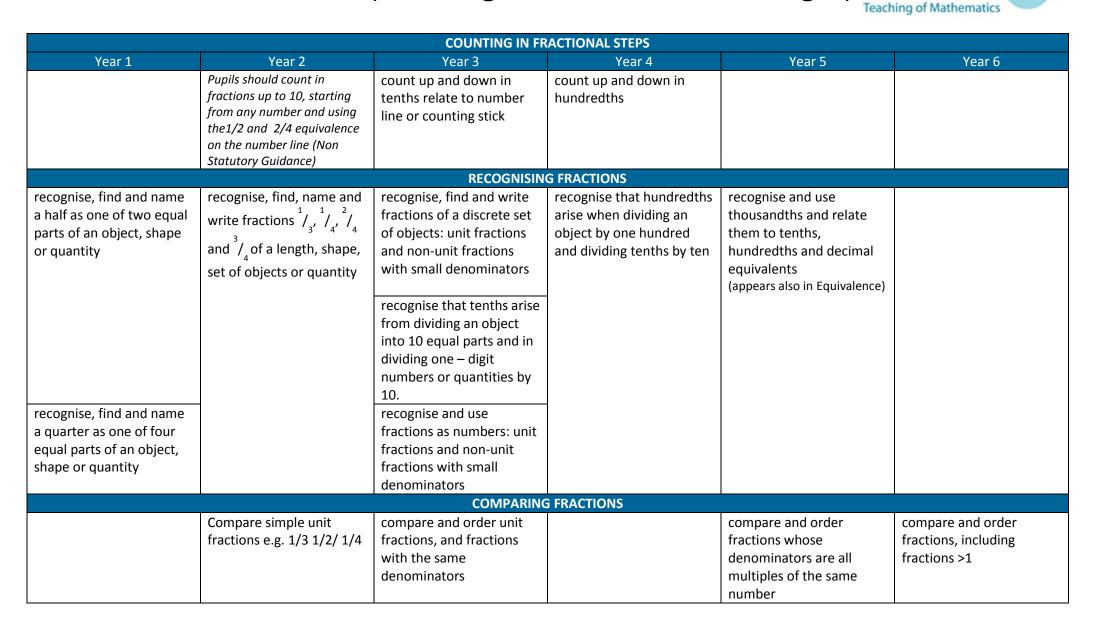
## Number: Fractions (including Decimals and Percentages) National Centre









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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	read, write, order and compare numbers with up to three decimal places identify the value of each digit	read, write, order and compare numbers with up to three decimal places		
			places	in numbers given to three decimal places	identify the value of each digit in numbers given to three decimal places		
			ROUNDING INCLUDING DE	CIMALS			
			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		
		EQUIVALENCE	(INCLUDING FRACTIONS, DECI	MALS AND PERCENTAGES)			
	write simple fractions e.g. $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$ .	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 $(e.g. \frac{3}{8})$		
			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	recall and use equivalences between simple fractions, decimals and percentages,		







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				es as a fraction with in ) as a decimal fraction	cluding in different contexts.					
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. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$ )	add and subtract fractions with the same denominator recognise mixed numbers and improper fractions and convert from one form to the other	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. $\frac{2}{5} + \frac{4}{5} = \frac{6}{5}$ = $1\frac{1}{5}$ )	with different denominators and mixed numbers, using the concept of equivalent fractions					
		MULTIPLICATION AND	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. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ )					
					multiply one-digit numbers with up to two decimal places by whole numbers divide proper fractions by					
					whole numbers (e.g. $\frac{1}{3}$ ÷ 2 = $\frac{1}{6}$ )					







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			DIVISION OF DECIMALS					
Year 1Year 2Year 3Year 4Year 5Year 6								
			find the effect of dividing		multiply one-digit numbers with up to two decimal places by whole numbers multiply and divide			
			a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths		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			







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