



YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6		
COUNTING IN FRACTIONAL STEPS Dispile chould count in a count up and down in a count up and down in							
	Pupils should count in fractions up to 10,	count up and down in tenths	count up and down in hundredths				
	starting from any	tentns	nunareaths				
	number and using						
	the1/2 and 2/4						
	equivalence on the						
	number line (Non						
	Statutory Guidance)						
		RECOGNISIN	G FRACTIONS				
recognise, find and	recognise, find, name	recognise, find and	recognise that	recognise and use			
name a half as one of	and write fractions and	write fractions of a	hundredths arise when	thousandths and relate			
two equal parts of an	of a length, shape, set	discrete set of objects:	dividing an object by	them to tenths,			
object, shape or	of objects or quantity	unit fractions and non-	one hundred and	hundredths and decimal			
quantity		unit fractions with small	dividing tenths by ten	equivalents (appears			
		denominators		also in 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 one		fractions as numbers:					
of four equal parts of an		unit fractions and non-					
object, shape or		unit fractions with small					
quantity		denominators					
	COMPARING FRACTIONS						
		compare and order unit		compare and order	compare and order		
		fractions, and fractions		fractions whose	fractions, including		





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	with the same denominators		denominators are all multiples of the same number	fractions >1			
COMPARING DECIMALS							
		compare numbers with	read, write, order and	identify the value of			
		the same number of	compare numbers with	each digit in numbers			
		decimal places up to	up to three decimal	given to three decimal			
		two decimal places	places	places			
	ROUNDING INCL	UDING DECIMALS					
		round decimals with	round decimals with	solve problems which			
		one decimal place to	two decimal places to	require answers to be			
		the nearest whole	the nearest whole	rounded to specified			
		number	number and to one	degrees of accuracy			
			decimal place				
	ENCE (INCLUDING FRACTIO	ONS, DECIMALS AND PERC	ENTAGES)				
write simple fractions e.g. ½ of 6 = 3 and recognise the equivalence of 2 / 4 a n d 1 / 2	recognise and show, using diagrams, equivalent fractions with small denominators	recognise and show, using diagrams, families of common equivalent fractions recognise and write decimal equivalents of any number of tenths or hundredths	identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths read and write decimal numbers as fractions (e.g. 0.71 = 71/100)	use common factors to simplify fractions; use common multiples to express fractions in the same denomination associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. 3/8)			



Skills Map for Maths Fractions, decimals and percentages



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		recognise and write decimal equivalents to 1/4;1/2;3/4	recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	recall and use equivalences between simple fractions, decimals and percentages, including
			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	in different contexts.
	ADDITION AND CURTO	A CTION OF FRACTIONS	decimal fraction	
		ACTION OF FRACTIONS	T	
	add and subtract fractions with the same denominator within one whole (e.g. 5 / 7 + 1 / 7 = 6 / 7)	add and subtract fractions with the same denominator	add and subtract fractions with the same denominator and multiples of the same number	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
			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=11/5	
)	
	MULTIPLICATION AND D	IVISION OF FRACTIONS		
			multiply proper	multiply simple pairs of
			fractions and mixed	proper fractions,
			numbers by whole	writing the answer in its
			numbers, supported by	simplest form (e.g. 1/4
			materials and diagrams	×1/2=1/8)
				multiply one-digit
				numbers with up to
				two decimal places by
				whole numbers
				divide proper fractions
				by whole numbers (e.g.
				1/3 ÷ 2 = 1/6)
	MULTIPLICATION AND I	DIVISION OF DECIMALS		
		find the effect of		multiply one-digit
		dividing a one- or two-		numbers with up to
		digit number by 10		two decimal places by
		and 100, identifying		whole numbers
		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





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				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
		SOLVING		
	solve problems that	solve problems	solve problems	
	involve all of the above	involving increasingly	involving numbers up	
		harder fractions to	to three decimal places	
		calculate quantities,		
		and fractions to divide		
		quantities, including		
		non- unit fractions		
		where the answer is a		





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			whole number		
			solve simple measure	solve problems which	
			and money problems	require knowing	
			involving fractions and	percentage and	
			decimals to two	decimal equivalents of	
			decimal places.	1/2 , 1/4 , 1/5 , 2/5 ,	
				4/5 and those with a	
				denominator of a	
				multiple of 10 or 25	
			BULARY		T
Whole	Three quarters	Numerator	Equivalent decimals and	Multiples	Degree of accuracy
Equal	One third, a third	Denominator	fractions	Tenths and hundredths	Simplify
Parts	Equivalence	Unit fraction, non-unit	Families of common equivalent fractions	Common factors	Simplest form
Four equal parts	Equivalent to	fraction	equivalent macrons	Proper fractions	Equivalent fractions
One half, two halves		Compare and order		Improper fractions	Decimal/fraction
A quarter		Tenths		Mixed numbers	equivalents
Two quarters				Simplest form	Common factors
				Percentage	
				Half	
				Quarter	
				Fifths	
				Ratio and proportion	



Skills Map for Maths Fractions, decimals and percentages

