

CE Primar
September 1
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		COI	UNTING IN FRACTIONAL	STEPS		
EYFS	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 <b>tenths</b> Number lines Blank fraction strips	count up and down in <b>hundredths</b> Number lines Blank fractions 100 squares		
			RECOGNISING FRACTIC	ONS		
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	recognise, find and name a half as one of two equal parts of an object, shape or quantity Shapes to cut out Cubes Ten frames	recognise, find, name and write fractions <sup>1</sup> / <sub>3</sub> of a length, shape, set of objects or quantity Shapes to cut out Cubes Bar models	recognise, find and write fractions of a discrete set of objects: unit fractions and nonunit fractions with small denominators Blank Fraction walls Counters	recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten Number discs (BPP) Place value charts (BPP)	recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (appears also in Equivalence) Base 10 Number discs (.PBR)	
	recognise, find and name a quarter as one of four equal parts	recognise, find, name and write fractions $^{1}/_{4}$ , $^{2}/_{4}$ and	recognise that tenths arise from dividing an object into 10 equal parts and in	Number lines		

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	of an object, shape or quantity Shapes to cut out Cubes Ten frames	3/4 of a length, shape, set of objects or quantity Shapes to cut out Cubes Bar models	dividing one – digit numbers or quantities by 10. recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators Part-whole (partitioning) Blank fraction strips			
			COMPARING FRACTIO	NS		
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			compare and order		compare and order	compare and order
			unit fractions, and		fractions whose	fractions, including
			fractions with the		denominators are all	fractions >1
			same denominators		multiples of the	Fraction walls
			Part wholes		same number	Blank fraction strips
			(Partitioning)		Blank fraction strips	
			Fraction walls			
			Blank fraction strips			
			Number lines			





	COMPARING DECIMALS					
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				compare numbers	Read and write	identify the <b>value</b> of
				with the same	numbers with up to	each digit in
				number of decimal	three decimal	numbers given to
				places up to <b>two</b>	places	three decimal
				decimal places	Base 10	places
				Number cards	Number discs	Base 10
				Dice	(YP.PBR)	Arrow cards (P.PBG)
				Number lines	Number cards	Place value charts
				Number discs (P.PB)	order and compare	(P.PBG)
				Place value charts	numbers with up to	
				(P.PB)	three decimal	
					places	
					Base 10	
					Number discs	
					(YP.PBR)	
					Number cards	
			DING INCLUDING DEC			
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				round decimals with	round decimals with	solve problems
				one decimal place to	two decimal places	which require
				the nearest whole	to the nearest whole	answers to be
				number	number and to one	rounded to specified

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				Rulers	decimal place	degrees of accuracy
				Number lines	Number lines	
		QUIVALENCE (INCLUDI	NG FRACTIONS, DECIM	ALS AND PERCENTAGE	S)	
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		write simple	recognise and show,	recognise and show,	identify, name and	use common factors
		fractions e.g. <sup>1</sup> / <sub>2</sub> of 6	using diagrams,	using diagrams,	write <b>equivalent</b>	
		2	equivalent fractions	families of common	fractions of a given	use <b>common</b>
		= 3 and recognise	with small	equivalent fractions	fraction,	multiples
		the equivalence of	denominators	Fraction cards	represented visually,	
		$^{2}/_{4}$ and $^{1}/_{2}$ .	Bar models	Fraction walls	including tenths and	use common factors
		Bar models	Blank fraction strips	Number cards	hundredths	to simplify fractions;
			Fraction walls		Blank fraction strips	use common
			Number lines			multiples to express
			Fraction cards			fractions in the same
			Blank fraction circles			denomination
						Fraction walls
						Bar models
						Blank fraction strips
				recognise and write	read and write	associate a fraction
				decimal equivalents	decimal numbers as	with division and
				of any number of	fractions (e.g. 0.71 =	calculate <b>decimal</b>
				tenths or	71/100)	fraction equivalents
				hundredths		(e.g. 0.375) for a
				Place value charts	Base 10	simple fraction (e.g.
				(YP.PB)	Number discs (.PBR)	3/8)
					Numbers in words	′ 8′

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EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		ADDITION	AND SUBTRACTION OF	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 Base 10 Number discs (.PBR) 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 100 Squares	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.
				Number cards Number discs	sheets	

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add fractions with the same denominator within one whole (e.g. $\frac{5}{7}$ + $\frac{1}{7}$ = $\frac{6}{7}$ ) Blank fraction strips Blank fraction circles Number lines	add fractions with the same denominator Blank fraction strips	add fractions with the same denominator and multiples of the same number Bar models	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions Blank fraction strips
subtract fractions with the same denominator within one whole (e.g. $\frac{5}{7}$ + $\frac{1}{7} = \frac{6}{7}$ ) Blank fraction strips Blank fraction circles Number lines	subtract fractions with the same denominator Blank fraction strips	subtract fractions with the same denominator and multiples of the same number Bar models  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. $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = \frac{1}{5}$	Bar models



					Number lines	
					Bar models	
		MULTIPLICA	TION AND DIVISION O	F FRACTIONS		
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
					multiply proper fractions by whole numbers, supported by materials and diagrams Black fraction strips  multiply mixed numbers by whole numbers, supported by materials and diagrams Blank fraction strips	multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g.  1/4 × 1/2 = 1/8) Bar models multiply one-digit numbers with up to two decimal places by whole numbers Number discs (P.PB) divide proper fractions by whole numbers (e.g. 1/3 ÷ 2 = 1/6) Bar models Blank fraction strips Number cards
		MILITIPLICA	TION AND DIVISION O	DE DECIMAIS		

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EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				find the effect of		multiply one-digit
				dividing a one- or		numbers with up to
				two-digit number by		two decimal places
				10 and 100,		by whole numbers
				identifying the value		Number discs (P.PB)
				of the digits in the		multiply and divide
				answer as ones,		numbers by 10, 100
				tenths and		and 1000 where the
				hundredths		answers are up to
				Blank fractions strips		three decimal places
				Place value charts		associate a fraction
				(YP.P)		with division and
						calculate decimal
						fraction equivalents
						(e.g. 0.375) for a
						simple fraction
						$(e.g. ^3/_8)$
						use <b>written division</b>
						methods in cases
						where the answer
						has up to two
						decimal places
						Number discs (P.PB)
			PROBLEM SOLVING			
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6

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solve problems that involve all of the above Bar models Blank fraction strips	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 Part whole (Partitioning) Number cards Bar models Number discs (P.P) Place value charts (P.PB)
	solve simple measure and money problems involving fractions and decimals to two decimal places.	solve problems which require knowing percentage and decimal equivalents of \(^1/_2\), \(^1/_4\), \(^1/_5\), \(^2/_5\), \(^4/_5\) and those with a denominator of a multiple of 10 or 25.