Help me do my Homework

Fractions

Counting in Fractional Steps					
Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
	count in halves and quarters up to 10 CF1	count up and down in tenths CF2	count up and down in hundredths CF3		
Recognising Fractions					
recognise, find and name a half as one of two equal parts of an object, shape or quantity RF1	recognise, find, name and write fractions $^{1}/_{3}$, $^{1}/_{4}$, $^{2}/_{4}$ and $^{3}/_{4}$ of a length, shape, set of objects or quantity RF2	recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators RF3-5	recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten RF7	recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (appears also in Equivalence) RF8	
		recognise that tenths arise from dividing an object into 10 equal parts and in dividing one – digit numbers or quantities by 10. RF6			
recognise, find and name a quarter as one of four equal parts of an object, shape or quantity RF1		recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators			
Comparing Fractions					
		compare and order unit fractions, and fractions with the same denominators CF1-3		compare and order fractions whose denominators are all multiples of the same number CF4-5	compare and order fractions, including fractions >1 CF6

Codes against objectives refer to videos within each topic section so you can find the lesson you need

Help me do my Homework

Fractions

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Comparing Decimals					
			compare numbers with the same number of decimal places up to two decimal places CD01	read, write, order and compare numbers with up to three decimal places CD02	identify the value of each digit in numbers given to three decimal places
Rounding Decimals					
			round decimals with one decimal place to the nearest whole number RD1	round decimals with two decimal places to the nearest whole number and to one decimal place RD2	solve problems which require answers to be rounded to specified degrees of accuracy
Equivalent Fractions, Decimals and Percentages					
	write simple fractions e.g. $^1/_2$ of 6 = 3 and recognise the equivalence of $^2/_4$ and $^1/_2$.	recognise and show, using diagrams, equivalent fractions with small denominators EF1	recognise and show, using diagrams, families of common equivalent fractions EF2	identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths EF3	use common factors to simplify fractions; use common multiples to express fractions in the same denomination EF4
			recognise and write decimal equivalents of any number of tenths or hundredths EF5	read and write decimal numbers as fractions (e.g. 0.71 = $^{71}/_{100}$) EF6 recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents RF8 in Recognising Fractions	associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. $^3/_8$) EF7
			recognise and write decimal equivalents to $^1/_4$; $^1/_2$; $^3/_4$ EF6	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 EF8	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. EF9

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Fractions

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. $^{5}/_{7} + {}^{1}/_{7} = {}^{6}/_{7}$) ASF1	add and subtract fractions with the same denominator ASF2	add and subtract fractions with the same denominator and multiples of the same number ASF3	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions ASF4
				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. $^{2}/_{5} + {}^{4}/_{5} = {}^{6}/_{5} = 1{}^{1}/_{5}$) ASF5, ASF6	
Multiplication and Division of Fractions					
				multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams MDF1, MDF2	multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. $^{1}/_{4} \times {}^{1}/_{2} = {}^{1}/_{8}$) MDF3
					multiply one-digit numbers with up to two decimal places by whole numbers
					divide proper fractions by whole numbers (e.g. $^{1}/_{3} \div 2 = {}^{1}/_{6}$) MDF4

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Fractions

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 MD3, MD4
			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 MD1		multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places MD2
					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. $^{3}/_{8}$) EF07 in Equivalent Fractions
					use written division methods in cases where the answer has up to two decimal places WM06 in Multiplication and Division Written Method

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Fractions

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 $^{1}/_{2}$, $^{1}/_{4}$, $^{1}/_{5}$, $^{2}/_{5}$, $^{4}/_{5}$ and those with a denominator of a multiple of 10 or 25.	

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