

This document sets out the expectation for Maths learning in each term for each year group. It is divided into sections within different parts of the maths curriculum.

Garden Class

		EYFS Year 1 Year 2								
	_	1	-	Number: Fractio	ns (Including Decimals a	nd Percentages)				
	Autumn	Spring	Summer	Autumn	Spring	Summer	Autumn	Spring	Summer	
Cou ntin z in										
sing Fractions						To recognise, find and name a half as 1 of 2 equal parts of an object, shape or quantity			To recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity	
Recognis						To recognise, find and name a quarter as 1 of 4 equal parts of an object, shape or quantity				
									To write simple fractions.	
Comparing Fractions									for example $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$	
mals										
paring deci										
Com										
Roundin g										



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Equivale nce								
Addition and								
Multiplic ation								
Mulitplic ation								
Problem Solving								



ower	KS2

LOWEI N		Year 3			Year 4
			Number: Fractions (Including De	cimals and Percentages)	1
SU	Autumn To count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10	Spring	Summer	Autumn To recognise and show, using diagrams, families of common equivalent fractions	Spring
Counting in fractio				To count using simple fractions and decimals, both forwards and backwards. (Non Statutory) To count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10	To count using simple f decimals, both forwards backwards. (Non Statu
ising Fractions	To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators To recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators To recognise, find and write fractions of a discrete set of objects: unit fractions and non- unit fractions with small denominators	To recognise, find and write fractions of a discrete set of objects: unit fractions and non- unit fractions with small denominators		
Recogni					
Compari ng fractions			To compare and order unit fractions, and fractions with the same denominators		

	Summer
fractions and	
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Decimals				
Comparing				
Roundin g including				
lence fractions , Is and	To recognise and show, using diagrams, equivalent fractions with small denominators.	To recognise and show, using diagrams, equivalent fractions with small denominators.	To recognise and write decimal equivalents of any number of tenths or hundreds	To recognise and w equivalents of any r tenths or hundreds
Equiva (including 1 decima			To recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$	To recognise and we equivalents to $\frac{1}{4}$, $\frac{1}{2}$
Addition and Subtraction of fractions	To add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]	To add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]		To add and subtrac with the same deno
Multiplication and division of fractions				To find the effect of one- or two-digit nu and 100, identifying the digits in the ans ones, tenths and hu
Multiplic ation and				

	To compare numbers with the same number of decimal places up to 2 decimal places
	To round decimals with 1 decimal place to the nearest whole number
write decimal ⁷ number of s	
write decimal $\frac{1}{2}, \frac{3}{4}$	
act fractions nominator	To add and subtract fractions with the same denominator
of dividing a number by 10 ng the value of nswer as nundredths	



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Problem Solving	To solve problems that all of the above	at involve	To 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	To solve simple measure and money problems involving fractions and decimals to 2 decimal places	
				To 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	



Jpper	<u>KS2</u>				
		Year 5	Number Freetiene (Including D		Year 6
	Autumn	Spring	Summer	Autumn	Spring
Counting in Fractional steps		Pupils extend counting from year 4, using decimals and fractions including bridging 0, for example on a number line.(Non Statutory)	Pupils extend counting from year 4, using decimals and fractions including bridging 0, for example on a number line.(Non Statutory)		
Recognising Fractions	To identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths				
comparing Fractions	To compare and order fractions whose denominators are all multiples of the same number	To compare and order fractions whose denominators are all multiples of the same number			To compare and or fractions, including

	Summer
der	
fractions >1	



Comparing Decimals		To read, write, order and compare numbers with up to 3 decimal places	To read, write, order and compare numbers with up to 3 decimal places	To identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places	To identify the valu digit in numbers giv decimal places and and divide number and 1,000 giving an 3 decimal places
Rounding including		To round decimals with 2 decimal places to the nearest whole number and to 1 decimal place			
Percentages	To identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths		To recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per 100', and write percentages as a fraction with denominator 100, and as a decimal fraction	To associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$]	
ecimals and	To read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$]			To use common factors to simplify fractions; use common multiples to express fractions in the same denomination	To use common fa simplify fractions; u multiples to expres the same denomin
Equivalence (including Fractions, d	To recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents			Pupils use their understanding of the relationship between unit fractions and division to work backwards by multiplying a quantity that represents a unit fraction to find the whole quantity (for example, if quarter of a length is 36cm, then the whole length is $36 \times 4 =$ 144cm).(Non Statutory)	To recall and use e between simple fra decimals and perce including in differer
Addition and	To recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}$]	To recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}$]		To add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	To add and subtract with different deno mixed numbers, us concept of equivale

e of each ven to 3 I multiply s by 10, 100 nswers up to	To identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places
ctors to use common s fractions in ation	
equivalences ctions, entages, nt contexts	
ct fractions minators and ing the ent fractions	



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	To add and subtract fractions with the same denominator, and denominators that are multiples of the same number	To add and subtract fractions with the same denominator, and denominators that are multiples of the same number	To add and subtract fractions with the same denominator, and denominators that are multiples of the same number			
cation and of decimals	To multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams	To multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams	To multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams	To multiply one-digit numbers with up to 2 decimal places by whole numbers		To multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]
Multiplic division						To divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$]
					To use written division methods in cases where the answer has up to 2 decimal places	To use written division methods in cases where the answer has up to 2 decimal places
Problem Solving	To solve problems involving number up to 3 decimal places		To solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25			To solve problems which require answers to be rounded to specified degrees of accuracy