

## Progression in Mathematics: Fractions

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Concept	Nursery and EYFS	Year 1 and Year 2	Year 3 and Year 4	Year 5 and Year 6	
Recognise and Write		recognise, find and name a half as one of two equal parts of an object, shape or quantity  recognise, find and name a quarter as one of four equal parts of an object, shape or quantity  recognise, find, name and write fractions of a length, shape set of objects or quantity  1/3, ¼, 2/4, ¾	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  recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators  recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators  count up and down in hundredths  recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten	identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths  recognise mixed numbers and improper fractions  convert from one form to the other	
Compare		recognise the equivalence of 2 quarters and 1 half	recognise and show using diagrams, equivalent fractions with small denominations  compare and order unit fractions, and fractions with the same denominators  recognise and show using diagrams, families of common equivalent fractions	compare and order fractions whose denominators are all multiples of the same number use common factors to simplify fractions  Use common multiples to express fractions in the same denomination  Compare and order fractions including fractions>	

Calculations	write simple fractions example ½ of 6 = 3	add and subtract fractions with the same denominator within one whole  Example  5/7 + 1/7 = 6/7	add and subtract fractions with the same denominator and denominators that are multiples of the same number  multiply proper fractions and mixed numbers by whole numbers, supported by equipment and diagrams  add and subtract fractions with the same denominator and mixed numbers using the co9ncept of equivalent fractions  multiply simple pairs of proper fractions answering in the simplest form  divide proper fractions by whole numbers
Solve Problems		add and subtract fractions with the same denominator within one whole  Example 5/7 + 1/7 = 6/7  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	