|  | Progression in Mathematics: Fractions |  |  |  |
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| Concept | Nursery and EYFS | Year 1 and Year $2 \longrightarrow$ | Year 3 and Year $4 \longrightarrow$ | 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 <br> recognise, find and name a quarter as one of four equal parts of an object, shape or quantity <br> recognise, find, name and write fractions of a length, shape set of objects or quantity $1 / 3,1 / 4,2 / 4,3 / 4$ | 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 <br> recognise, find and write fractions of a discrete set of objects: unit fractions and nonunit fractions with small denominators <br> recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators <br> count up and down in hundredths <br> 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 <br> 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 <br> compare and order unit fractions, and fractions with the same denominators <br> 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 <br> Use common multiples to express fractions in the same denomination <br> Compare and order fractions including fractions> 1 |


| Calculations |  | write simple fractions example $1 / 2$ of $6=3$ | add and subtract fractions with the same denominator within one whole <br> Example $5 / 7+1 / 7=6 / 7$ | add and subtract fractions with the same denominator and denominators that are multiples of the same number <br> 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 <br> multiply simple pairs of proper fractions answering in the simplest form <br> divide proper fractions by whole numbers |
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| Solve Problems |  |  | add and subtract fractions with the same denominator within one whole <br> Example $5 / 7+1 / 7=6 / 7$ <br> 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 |  |

