| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| COUNTING, RECOGNISING and WRITING FRACTIONS |  |  |  |  |  |
| 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 | recognise, find, name and write fractions ${ }^{1} / 3^{\prime}$ ${ }^{1} / 4^{\prime}{ }^{2} / 4$ and ${ }^{3} / 4$ of a length, shape, set of objects or quantity 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 tenths <br> 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 non-unit fractions with small denominators <br> recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators | 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 and use thousandths and relate them to tenths, hundredths and decimal equivalents (appears also in Equivalence) |  |
| Summer 2 | Summer 1 | Spring 3 | Spring 4 <br> Summer 1 | Autumn 4 |  |


| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| COMPARING FRACTIONS (including EQUIVALENCE) |  |  |  |  |  |
|  | recognise the equivalence of ${ }^{2} / 4$ and $1 / 2$ | compare and order unit fractions, and fractions with the same denominators <br> recognise and show, using diagrams, equivalent fractions with small 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 <br> compare and order fractions, including fractions >1 |
|  | Summer 1 | Spring 3 | Spring 3 | Autumn 4 | Autumn 3 |


| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CALCULATION - ADDITION, SUBTRACTION, MULTIPLICATION AND DIVISION OF FRACTIONS |  |  |  |  |  |
|  | write simple fractions e.g. ${ }^{1} / 2$ of $6=3$ and. | add and subtract fractions with the same denominator within one whole (e.g. $/_{7}+{ }^{1} / 7=6 / 7$ ) | add and subtract fractions with the same denominator | add and subtract fractions with the same denominator and multiples of the same number <br> multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams | add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions <br> multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. ${ }^{1} / 4 \times{ }_{4}^{1} /{ }_{2}^{1} /{ }_{8}$ ) <br> divide proper fractions by whole numbers (e.g. ${ }^{1} / 3 \div 2=1 / 6$ ) |
|  | Summer 1 | Summer 1 | Spring 3 | Autumn 4 Spring 2 | Autumn 3 <br> Autumn 4 |


| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| FRACTIONS - PROBLEM SOLVING |  |  |  |  |  |
|  |  | 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 |  |  |
|  |  | Spring 3 <br> Summer 1 | Spring 3 |  |  |


| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| DECIMALS - RECOGNISE, WRITE AND COMPARE |  |  |  |  |  |
|  |  |  | recognise and write decimal equivalents of any number of tenths or hundredths <br> recognise and write decimal equivalents to ${ }^{1} /{ }_{4} ;{ }^{1} /{ }_{2}{ }^{3} / 4$ <br> round decimals with one decimal place to the nearest whole number <br> compare numbers with the same number of decimal places up to two decimal places | read and write decimal numbers as fractions (e.g. $0.71={ }^{71} /{ }_{100}$ ) <br> recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents <br> round decimals with two decimal places to the nearest whole number and to one decimal place <br> read, write, order and compare numbers with up to three decimal place | identify the value of each digit in numbers given to three decimal places |
|  |  |  | Spring 4 Summer 1 | Spring 3 <br> Summer 3 | Spring 3 |


| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| FRACTIONS, DECIMALS AND PERCENTAGES |  |  |  |  |  |
|  |  |  | solve simple measure and money problems involving fractions and decimals to two decimal places. | 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 <br> solve problems involving numbers up to three decimal places <br> solve problems which require knowing percentage and decimal equivalents of ${ }^{1} / 2^{\prime}{ }^{1} / 4_{4^{\prime}}{ }^{1} / 5_{5^{\prime}}{ }^{2} / 5_{5^{\prime}}{ }^{4} /{ }_{5}$ and those with a denominator of a multiple of 10 or 2 | associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. 3/8) <br> recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. |
|  |  |  | Spring 3 <br> Spring 4 <br> Summer 1 | Spring 3 | Spring 3 Spring 4 |

## Year 3 RTP Fractions

| Ready to progress criteria | Block | Steps |
| :--- | :--- | :--- |
| 3F-1 Interpret and write proper fractions to <br> represent 1 or several parts of a whole that is <br> divided into equal parts. | Spring 3 | 1 - Understand the denominators of unit fractions <br> 3 - Understand the numerators of non-unit fractions <br> 4-Understand the whole |
| 3F-2 Find unit fractions of quantities using known <br> division facts (multiplication tables fluency). | Summer 1 | 4 - Unit fractions of a set of objects |
| 3F-3 Reason about the location of any fraction within <br> 1 in the linear number system. | Spring 3 | 2-Compare and order unit fractions <br> 5-Compare and order non-unit fractions <br> 7- Fractions on a number line <br> $8-$ Count in fractions on a number line |
| 3F-4 Add and subtract fractions with the same <br> denominator, within 1 | Summer 1 | 1-Add fractions <br> 2-Subtract fractions |

## Year 4 RTP Fractions

| Ready to progress criteria | Block | Steps |
| :--- | :--- | :--- |
| 4F-1 Reason about the location of mixed numbers in <br> the linear number system. | Spring 3 | 4-Number lines with mixed numbers <br> 5-Compare and order mixed numbers |
| 4F-2 Convert mixed numbers to improper fractions <br> and vice versa. | Spring 3 | 7 - Convert mixed numbers to improper fractions <br> $8-$ Convert improper fractions to mixed numbers |
| 4F-3 Add and subtract improper and mixed fractions <br> with the same denominator, including bridging <br> whole numbers. | Spring 3 | 12 - Add fractions and mixed numbers <br> $14-$ Subtract from whole amounts <br> $15-$ Subtract from mixed numbers |

## Year 5 RTP Fractions

| Ready to progress criteria | Block | Steps |
| :--- | :--- | :--- |
| 5F-1 Find non-unit fractions of quantities. | Spring 2 | 4-Calculate a fraction of a quantity <br> 5 - Fraction of an amount |
| 5F-2 Find equivalent fractions and understand that <br> they have the same value and the same position in <br> the linear number system. | Autumn 4 | 1 - Find fractions equivalent to a unit fraction <br> 2-Find fractions equivalent to a non-unit fraction <br> $3-$ Recognise equivalent fractions |
| 5F-3 Recall decimal fraction equivalents for $\frac{1}{4}, \frac{1}{2}, \frac{1}{5}$ <br> and $\frac{1}{10}$ and for multiples of these proper fractions. | Spring 3 | 2 - Equivalent fractions and decimals (tenths) <br> $3-$ Equivalent fractions and decimals (hundredths) <br> $4-$ Equivalent fractions and decimals |

## Year 6 RTP Fractions

| Ready to progress criteria | Block | Steps |
| :--- | :--- | :--- |
| 6F-1 Recognise when fractions can be simplified, and <br> use common factors to simplify fractions. | Autumn 3 | 1 - Equivalent fractions and simplifying <br> 2 - Equivalent fractions on a number line |
| 6F-2 Express fractions in a common denomination <br> and use this to compare fractions that are similar in <br> value. | Autumn 3 | 3 - Compare and order (denominator) |
| 6F-3 Compare fractions with different denominators, <br> including fractions greater than 1, using reasoning, <br> and choose between reasoning and common <br> denomination as a comparison strategy. | Autumn 3 | 3-Compare and order (denominator) <br> 4-Compare and order (numerator) |

