| Mount Charles School Fractions <br> Objective. K-Knowledge. S-Skills |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|  | Whole Equal One half | Halves <br> Half <br> Quarter, two quarters Equal parts, four equal parts Two halves | ```whole equal equal parts 12 fraction denominator fraction bar numerator 1/4 third 1/3 unit fraction non-unit fraction equivalent, equivalence 3/4``` | tenth <br> interval <br> mixed number <br> equivalent fraction <br> inequality statement <br> numerator <br> denominator <br> unit fraction, non-unit fraction compare and order | hundredth simplest fraction simplify improper fraction decimal decimal point equivalent decimals and fractions | common denominator thousandth one decimal place two decimal places Per cent (\%) percentage Proper fractions, improper fractions, mixed numbers Half, quarter, fifth, two fifths, four fifths Ratio, proportion | common factor highest common factor lowest common multiple (LCM) lowest common denominator decree of accuracy simplify |
| sdəłs ןеио!łэeдf u! 8u!łunoว |  |  | 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) <br> K - whole numbers can be split into smaller parts <br> K- the name of those parts depends on how many there are K- how half and quarter are represented | count up and down in tenths <br> K- each part of a whole number which has been split into ten is called a tenth K - how a tenth is represented <br> S - counting up and down in tenths | count up and down in hundredths <br> K - how a hundredth is represented <br> S - counting up and down in hundredths |  |  |





|  |  |  |  |  | compare numbers with the same number of decimal places up to two decimal places <br> K - place value of numbers with up to two decimal places K - size of decimal number depends on value of the digits not the number of digits after the decimal point K - hundredths are smaller than tenths K - how to compare numbers using <, > and $=$ <br> S - compare numbers with the same number of decimal places up to two decimal places. | read, write, order <br> and compare <br> numbers with up to <br> three decimal places <br> K- place value of numbers with up to three decimal places K - how to group numbers to read them <br> K - decimal numbers are read as singular digit rather than a group of numbers <br> K - Thousandths are smaller than hundredths <br> K - size of decimal number depends on value of the digits not the number of digits after the decimal point $S$ - read and write numbers with up to three decimal places S - to order and compare numbers with up to three decimal places | identify the value of each digit in numbers given to three decimal places <br> K - place value of numbers given to three decimal places <br> S - identify the value of each digit in a number given to three decimal places |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |


|  |  |  |  |  | round decimals with one decimal place to the nearest whole number <br> K - how a whole number can be broken down into tenths S- place decimal numbers on number line <br> $S$ - round decimals with one decimal place to the nearest whole number | round decimals with two decimal places to the nearest whole number and to one decimal place <br> K - how tenths can be broken down into hundredths K - ordering decimals S - round decimals with two decimal places to the nearest whole number and to one decimal place. | solve problems which require answers to be rounded to specified degrees of accuracy <br> K - real-life situations where rounding decimals is appropriate S - understanding the knowledge and skills required to solve the problem <br> S-rounding any number to a specified degree of accuracy |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | write simple fractions e.g. ${ }^{1} / 2$ of $6=3$ and recognise the equivalence of ${ }^{2} / 4$ and $1 / 2$. <br> K - the denominator denotes how many groups the number/object is split into K - the numerator denotes how many of the groups there are | recognise and show, using diagrams, equivalent fractions with small denominators <br> K - how to represent a fraction with a diagram K - to find equivalent fractions the diagrams drawn to show the fractions must be the same | recognise and show, using diagrams, families of common equivalent fractions <br> K - there can be more than one equivalent fraction <br> S - recognise families of common equivalent fractions <br> S - show, using diagrams, families of common | identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths <br> K - multiples of numbers K - how to find equivalent fractions using multiples K - how to read and represent tenths and hundredths | use common factors to simplify fractions; use common multiples to express fractions in the same denomination <br> K - what a factor and common factor is K - how to find common factors of a number K - what a common multiple is K - how to find common multiples |




| $\begin{aligned} & \text { D } \\ & \text { 를 } \end{aligned}$ |  |  |  | add and subtract fractions with the same denominator within one whole (e.g. $5 / 7+1 / 7={ }_{7}^{6} / 7$ <br> K - adding and subtracting mentally K - understand the denominator shows how many the whole is split into. <br> K - when adding and subtracting fractions why the denominator does not change S- add and subtract fractions with the same denominator within one whole | add and subtract fractions with the same denominator <br> K - the numerator can add to more than the denominator K - that if the numerator is bigger than the denominator you have more than a whole. <br> S - add and subtract fractions with the same denominator. | add and subtract fractions with the same denominator and multiples of the same number <br> K - recognise equivalent fractions K - simplify fractions. <br> S - add and subtract fractions with multiples of the same number. <br> 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. $\left.{ }^{2} / 5+4 / /_{5}=6 / 5=11 / 5\right)$ <br> K - mixed number fractions involves a whole number and fraction <br> K - improper fraction is where the numerator is larger than the denominator. <br> K - how mixed number and | add and subtract <br> fractions with <br> different <br> denominators and <br> mixed numbers, <br> using the <br> concept of equivalent <br> fractions <br> K - how to find equivalent fractions <br> S- - add fractions with different denominators and mixed numbers using the concept of equivalent fractions. S -and subtract <br> fractions with different denominators and mixed numbers using the concept of equivalent fractions. <br> S - add and subtract fractions with mixed numbers <br> S-recognising when finding equivalent fractions is appropriate in order to add and subtract fractions |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |







