## Croscombe C of E \& Stoke St Michael Primary Federation

|  | 2 (Including decimals, percentages, ratio, proportion and probability in Years 4, 5 and |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  |  |  | - Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and 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. <br> - Recognise and show, using diagrams, equivalent fractions with small denominators. <br> - Add and subtract fractions with the same denominator within one whole. <br> - Compare and order unit fractions, and fractions with the same denominators. - Solve problems. | - Recognise and show, using diagrams, families of common equivalent fractions. <br> - Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. <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. <br> - Add and subtract fractions with the same denominator. <br> - Recognise and write decimal equivalents of any number of tenths or hundredths. <br> - Recognise and write decimal equivalents to... <br> - Find the effect of dividing a oneor two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. <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. <br> - Solve simple measure and money problems involving fractions and decimals to two decimal places. | - Compare and order fractions whose denominators are all multiples of the same number. <br> - Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. <br> - Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number. <br> - 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 materials and diagrams. - Read and write decimal numbers as fractions. <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 places. <br> - Solve problems involving number up to three decimal places. <br> - 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, and as a decimal. <br> - Solve problems which require knowing percentage and decimal equivalents of $1 / 2,1 / 4,1 / 5,2 / 5,4 / 5$ and those fractions with a denominator of a multiple of 10 or 25 . | Use common factors to simplify fractions; use common multiples to express fractions in the same denomination. <br> - Compare and order fractions, including fractions > 1 . <br> - 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. <br> - Divide proper fractions by whole numbers. <br> - Associate a fraction with division and calculate decimal fraction equivalents. <br> - Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10,100 and 1000 giving answers up to three decimal places. <br> - Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. |
|  | Year 6 Ratio \& Proportion: <br> - Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts. <br> - Solve problems involving the calculation of percentages and the use of percentages for comparison. <br> - Solve problems involving similar shapes where the scale factor is known or can be found. <br> -Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. |  |  |  |  |  |

