

Maths Skills Progression Croscombe C of E & Stoke St Michael Primary Federation



Number & Numerical Patterns	Fractions		(Including decimals, percentages, ratio, proportion and probability in Years 4, 5 and 6)			
Early Learning Goals	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Have a deep understanding of number to 10, including the composition of each number. Subitise (recognise quantities without counting) up to 5. Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double	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 apprint the find and and a content of the first of an object, shape or apprint the first of the first	Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and nobject, shape or quantity. Recognise, find and name a fractions 1/2, do not percentages and the use of percentages and the use of problems involving similar shapes where the scale factor is known or can be found. Recognise, find and name a fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2 find the second parts of two quantities where missing values can be found by using integer multiplication and division facts. Solve problems involving the calculation of percentages and the use of percentages for comparison. Solve problems involving unequal sharing and grouping using knowledge of fractions	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. 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. Recognise and show, using diagrams, equivalent fractions with small denominators. Add and subtract fractions with small denominators. Add and subtract fractions with small denominators. Compare and order unit fractions, and fractions with the same denominators. Compare and order unit fractions with the same denominators. Solve problems.	Recognise and show, using diagrams, families of common equivalent fractions. Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. 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. Add and subtract fractions with the same denominator.	Compare and order fractions whose denominators are all multiples of the same number. Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number. 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 materials and diagrams. Read and write decimal numbers as	same denomination. Compare and order fractions, including fractions > 1. Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions. Multiply simple pairs of proper fractions, writing
facts. • Verbally count beyond 20, recognising the pattern of the counting system. • Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. • Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.	Year 6 Ratio Solve problem relative sizes of where missing found by using multiplication of facts. Solve problem calculation of pthe use of perce comparison. Solve problem similar shapes factor is known found. Solve problems unequal sharin			 Recognise and write decimal equivalents of any number of tenths or hundredths. Recognise and write decimal equivalents to Find the effect of dividing a one-or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. Round decimals with one decimal place to the nearest whole number. Compare numbers with the same number of decimal places up to two decimal places. Solve simple measure and money problems involving fractions and decimals to two decimal places. 	fractions. Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Round decimals with two decimal places to the nearest whole number and to one decimal place. Read, write, order and compare numbers with up to three decimal places. Solve problems involving number up to three 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, and as a decimal. 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.	the answer in its simplest form. Divide proper fractions by whole numbers. Associate a fraction with division and calculate decimal fraction equivalents. 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. Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.