Addition:	**Subtraction:**	**Multiplication:**	**Division:**	**Fractions:**	**Problem Solving:**
• Add multiples and near multiples of 10 and 100 • Add multiples of 5 and 10 to make 100 • Perform place value additions e.g. 300+8+50 • Add any 2-digit number by partitioning • Add a pair of numbers by counting on • Add a 2-digit number to a 3-digit number by counting on • Use expanded column addition • Use efficient column addition to add numbers with 3 digits	• Perform place value calculations • Subtract by partitioning • Subtract multiples and near multiples of 10 and 100 • Count back in hundreds, tens and then ones using an unstructured number line e.g. 763-121 • Subtract by counting on from a 2-digit number to a number bigger than 100 • Find change from £1, £5 and £10 by counting on	• know by heart all the multiplication facts in x2,x3,x4,x5,x8,x10 • know that multiplications can be done in any order • explore the effect of partitioning a number to multiply e.g. 7x8 = 2x8 +5x8 • multiply whole numbers by 10 and 100 • use related facts to multiply multiples of 10 • double numbers up to 50 by partitioning • partition teen numbers to multiply • use a grid method to multiply 2 and 3-digit numbers by friendly 1-digit numbers	• know by heart all the division facts in x2,x3,x4,x5,x8,x10 • can divide whole numbers by 10 or 100 to give whole numbers • use related division facts to divide multiples of 10 by 1-digit numbers. • Halve even numbers to 100, halve odd numbers to 20 • Perform divisions just above the 10th multiple using a number line • Divide larger numbers mentally by subtracting the 10th multiple, including those with remainders	• Recognise fractions of shapes unit and non-unit • Recognise and show using diagrams, simple equivalent fractions • Work out unit fractions of amounts for common fractions ½ ¼ ¾ 1/5 of sets of objects • Compare and order unit fractions with the support of a fraction wall and number lines • Compare and order fractions with the same denominator • Add and subtract fractions with the same denominator and recognise a whole as a fraction	• Solves money problems in addition and finding the change (£ and p) • Solves missing number problems for addition, subtraction, multiplication and division with numbers up to 100 using knowledge of number facts and inverse operations. • Solve one step word problems involving multiplication and division • Solve one and two step problems using information from scaled bar charts, pictograms and tables • Solve simple scaling problems • Solve problems involving fractions
Decimals: • Recognise and write the decimal equivalent of a tenth using a place value board 1/10 = 0.1 **Area and Perimeter:** • Measure the perimeter of a simple shape	**Properties of number:** • count from 0 in multiples of 4, 8, 50 and 100 • find 10 or 100 more or less than a given number • recognise the place value of each digit in a three-digit number (hundreds, tens, ones) • compare and order numbers up to 1000 • identify, represent and estimate numbers using different representations • read and write numbers up to 1000 in numerals and in words	**Measures:** • Read and measure instruments with increasing accuracy. • Add and subtract amounts of money to give change using both £ and p. • Solve problems involving measures including simple problems for scale • Read measures in mixed units and can convert simple whole units	**Statistics:** • Can interpret data in charts and graphs including reading a scale of 2, 5 and 10 • Can present data in charts and graphs including using a scale of 2 ,5 and 10 • Solve one step problems using the information presented in charts and graphs • Solve two step problems using the information presented in charts and graphs	**Time:** • Know the number of seconds in a minute, days in each month, year and leap year • Understand vocabulary such as o'clock, am, pm, noon and midnight • Record in seconds, minutes and hours and can compare lengths of time • Read and write the time to the nearest minute on an analogue clock • Calculate and compare time durations • Read the time on a digital (12 hour) and compare to an analogue clock • Read the time on a 24 hour digital clock	**Shape:** • Identify horizontal and vertical lines and pairs of perpendicular and parallel lines • Identify right angles and describe how right angles can make up ¼ ½ ¾ and whole turn • Recognise and say if an angle is greater or less than a right angle • Can draw 2D shapes and describe them using knowledge of size and angle • Make 3D shapes using modelling materials, name and describe their properties • Recognise a 3D shape in different orientations • Compare and order angles