

Autumn		Spring	Summer
Recognise the place value of each digit in a 3-digit number Write numbers to 1,000 in numbers and words Compare and order numbers up to 1,000 Count in multiples of 4 and 8 Count in multiples of 50s and 100s Find 10 or 100 more or less than a given number to 1,000 Identify horizontal and vertical lines Identify perpendicular and parallel lines Recognise 3D shapes in different orientations and describe them Add and subtract numbers mentally including a 3-digit number and ones Use columnar addition with numbers up to 3 digits Use columnar subtraction with numbers up to 3 digits Estimate the answer to a calculation and use inverse operations to check answers		Recall and use multiplication and division facts for 3,4, and 8 multiplication tables Multiply a 2 digit number by a 1 digit number using short multiplication Write and calculate mathematical statements for multiplication and division using known multiplication tables using mental methods and progressing to formal written methods Solve problems involving multiplication and division Tell the time using analogue and digital 12 hr clocks, including Roman numerals. Know how many seconds are in a minute, days in months, years and leap years Compare durations of events Estimate and read time with increasing accuracy to nearest Recognise, find and write fractions of discrete sets of objects – unit fractions, non-unit fractions with small denominators Recognise and show, using diagrams, equivalent fractions with small denominators Compare and order unit fractions and fractions with the same denominator	Measure the perimeter of 2D shapes Measure, compare, add and subtract lengths (mm, cm, m) Mass (g, kg) capacity (ml,l) minute. Record using related vocabulary Recognise angles as a property of a shape or a description of a turn Identify right angles, recognise 2 right angles make a half turn etc Identify whether angles are greater than or less than a right angle. Count up and down in tenths Add and subtract fractions with the same denominator within one whole To add and subtract amounts of money to give change, using both £ and p in practical context Interpret and present data using bar charts, pictograms and tables Solve one-step and 2 step problems using information presented in scaled bar charts, pictograms and tables
Problem solving	*Become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately *Reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language *Solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions		