Spring 1st MTP: Year 2&3

Term	Year 2	Year 3
Spring 1st	**Number and place value** ● *count in steps of 2 and 5 from 0 and in tens from any number, forward and backward* ● *identify, represent and estimate numbers using different representations, including the number line (missing numbers on a number line - sequences* ● *compare and order numbers from 0 up to 100;* use <, > and = signs ● *read and write numbers to at least 100 in numerals* ● *use place value and number facts to solve problems* ● *count in steps of 2, 3 and 5 from 0 and in tens from any number, forward and backward* **Addition and subtraction** ● *solve problems with addition and subtraction:* – *using concrete objects and pictorial representations, including those involving numbers, quantities and measures* – *applying their increasing knowledge of mental methods* ● *recall and use addition and subtraction facts to 20 fluently,* and derive and use related facts up to 100 ● *add and subtract numbers using concrete objects, pictorial representations, and mentally, including:* – *a two-digit number and ones* – *a two-digit number and tens* – *adding three one-digit numbers* ● show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot ● recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems **Multiplication and division** ● recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, *including recognising odd and even numbers* ● calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs ● show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot ● solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts **Fractions** ● recognise, find, name and write fractions ⅓, ¼, ²⁄₄ and ¾ of a length, shape, set of objects or quantity ● write simple fractions for example ½ of 6 = 3 and recognise the equivalence of ²⁄₄ and ½.	**Number and place value** ● *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* ● *solve number problems and practical problems involving these ideas* **addition and subtraction** ● *add and subtract numbers mentally, including:* – *a three-digit number and ones* – *a three-digit number and tens* – *a three-digit number and hundreds* ● *add and subtract numbers with up to three digits,* using formal written methods of columnar addition and subtraction ● *estimate the answer to a calculation and use inverse operations to check answers* ● *solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction* **Multiplication and division** ● *recall and use multiplication and division facts for the 3,4 and 8 multiplication tables* ● *write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers,* ● *solve problems, including missing number problems, involving multiplication and division including positive integer scaling problems and correspondence problems in which* n *objects are connected to* m *objects* **Fractions** ● count up and down in tenths, recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 ● recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators ● add and subtract fractions with the same denominator within one whole [for example, ⅝ + ⅛ = ⅞] ● compare and order unit fractions and fractions with the same denominator ● recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators ● solve problems that involve all of the above.