Joseph Turner Primary School
Year 5 – Maths MTP – Spring 2023/2024 (v3)

	Weeks 1-3	Week 4-5	Week 6-8	Week 9-10	Week 11-12
White Rose Maths Small Steps	**Number: Multiplication and Division B** Multiply up to a 4-digit number by a 1-digit number Multiply a 2-digit number by a 2-digit number (area model) Multiply a 2-digit number by a 2-digit number Multiply a 3-digit number ny a 2-digit number Multiply a 4-digit number by a 2-digit number Solve problems with multiplication Short division Divide a 4-digit number by a 1-digit number Divide with remainders Efficient division Solve problems with multiplication and division	**Number: Fractions B** Multiply a unit fraction by an integer Multiply a non-unit fraction by an integer Multiply a mixed number by an integer Calculate a fraction of a quantity Fraction of an amount Find the whole Use fractions as operators	**Number: Decimals and Percentages** Decimals up to 2 decimal places Equivalent fractions and decimals (tenths) Equialent fractions and decimals (hundredths) Equivalent fractions and decimals Thousandths as fractions Thousandths as deciamls Thousandths on a place value chart Order and compare decimals (same number of decimal places) Order and compare any decimals with up to 3 decimal places Round to the nearest whole number Round to 1 decimal place Understand percentages Percentages as decimals Equivalent fractions, decimals and percentages.	**Measurement: Perimeter and area** Perimeter of rectangles Perimeter of rectilinear shapes Perimeter of polygons Area of rectangles Area of compound shapes Estimate area	**Statistics** Draw line graphs Read and interpret line graphs Read and interpret tables Two-way tables Read and interpret timetables
NC Objective	Multiply numbers up to four digits by a 1- or 2-digit number using a formal written method, including long multiplication for 2-digit numbers Divide up to four digits by a 1-digit number using the formal written method of short division and interpret remainders appropriately for the context Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes	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 (Y4) Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams	Read, write, order and compare numbers with up to 3 decimal places Read and write decimal numbers as fractions Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths 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 Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents Solve problems involving numbers up to 3 decimal places Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place Recognise the per cent symbol (%) and understand that per cent relates to "number of parts per 100", and write percentages as a fraction with denominator 100, and as a decimal fraction	Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres Calculate and compare the area of rectangles (including squares), including using standard units, square centimetres (cm^2) and square metres (m^2), and estimate the area of irregular shapes	Solve comparison, sum and difference problems using information presented in a line graph Complete, read and interpret information in tables, including timetables
Ready to Progress Criteria	5MD-3 - Multiply any whole number with up to 4 digits by any one-digit number using a formal written method. 5MD-4 - Divide a number with up to 4 digits by a one-digit number using a formal written method, and interpret remainders appropriately for the context.	5F-1 - Find non-unit fractions of quantities. 5F-2 - Find equivalent fractions and understand that they have the same value and the same position in the linear number system.	5NPV-1 - Know that 10 tenths are equivalent to 1 one, and that 1 is 10 times the size of 0.1. Know that 100 hundredths are equivalent to 1 one, and that 1 is 100 times the size of 0.01. Know that 10 hundredths are equivalent to 1 tenth, and that 0.1 is 10 times the size of 0.01 5NPV-2 - Recognise the place value of each digit in numbers with up to 2 decimal places, and compose and decompose numbers with up to 2 decimal places using standard and non-standard partitioning. 5NPV-5 - Convert between units of measure, including using common decimals and fractions. 5F-3 - Recall decimal fraction equivalents for 1/4 , 1/2 , 1/5 , 1/10 and for multiples of these proper fractions	5G-2 - Compare areas and calculate the area of rectangles (including squares) using standard units.	5NPV-4 - Divide 1 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in units of 1 with 2, 4, 5 and 10 equal parts.