

Spring 2024				
BLOCK	WEEKS	KEY VOCABULARY	SMALL STEPS	NC OBJECTIVES
Number – Multiplication and Division B	1-3	Multiplying, dividing, Digits, remainder, efficient, problems, multiplicaton, division, short division,	Multiply up to a 4-digit number by a 1-digit number Multiply a 2-digit number by a 2-digit number Multiply a 3-digit number by 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	Multiply and divide numbers mentally drawing upon known facts Multiply by up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for 2-digit numbers Divide numbers up to 4 digits by a 1- digit number using the formal written method of short division and interpret remainders appropriately for the context Solve problems for addition and subtraction, multiplication and division and a combination of these, including understanding of the use of the equal sign
Fractions B	4-5	Fractions, whole, part, improper, proper, mixed numbers, sequences, equivalent. Convert, improper fractions, mixed numbers, denominator, total, greater than, whole, subtract, add	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	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 as a mixed number. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams Read and write decimal numbers as fractions Solve problems involving multiplication and division, including scaling by

				simple fractions and problems involving simple rates
Decimals and percentages	6-8	Decimal, percentage, hundredth, thousandth, decimal place, rounding, order and compare, equal, round, denominator, numerator	<p>Decimals up to 2 decimal places</p> <p>Equivalent fractions and decimals (tenths)</p> <p>Equivalent fractions and decimals (hundredths)</p> <p>Equivalent fractions and decimals</p> <p>Thousandths as fractions</p> <p>Thousandths as decimals</p> <p>Thousandths on a place value chart</p> <p>Order and compare decimals (same number of decimal places)</p> <p>Order and compare any decimals with up to 3 decimal places</p> <p>Round to the nearest whole number</p> <p>Round to 1 decimal place</p> <p>Understand percentages</p> <p>Percentages as fractions</p> <p>Percentages as decimals</p> <p>Equivalent fractions, decimals and percentages</p>	<p>Read, write, order and compare numbers up to three decimal places</p> <p>Recognise and use thousandths and relate them to tenths, hundredths and relate to decimal equivalents</p> <p>Round decimals with two decimal places to the nearest whole number and to one decimal place</p> <p>Solve problems involving number up to three decimal places</p> <p>Recognise the percentage symbol and understand the per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100 and as a decimal</p> <p>Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$ $\frac{1}{4}$, $\frac{1}{5}$ $\frac{2}{5}$ $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25</p>
Perimeter and area	9-10	Mm, cm, M perimeter, ruler, calculate, measure, Area, shapes, 2D 3D	<p>Perimeter of rectangles</p> <p>Perimeter of rectilinear shapes</p> <p>Perimeter of polygons</p> <p>Area of rectangles</p> <p>Area of compound shapes</p> <p>Estimate area</p>	<p>Measure and calculate the perimeter of composite rectilinear shapes in cm and m.</p> <p>Calculate and compare the area of rectangles (including squares), and including standard units, cm², m² estimate the area of irregular shapes.</p>

Statistics	11-12	Read, interpret, line graph, axis, Y X, title, tables, two way tables, timetables.	Draw line graphs Read and interpret line graphs Read and interpret tables Two-way tables Read and interpret timetables	Solve comparison, sum and difference problems using information presented in a line graph. Complete, read and interpret information in tables including timetables.