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AUTUMN TERM	Block 1 Weeks 1-4 **PLACE VALUE**	Block 2 Weeks 5-7 **ADDITION AND SUBTRACTION**	Block 3 Week 8 **AREA**	Block 4 Weeks 9-11 **MULTIPLICATION AND DIVISION**	CONSOLIDATION Week 12 **RECAP AND REVISIT**
Small Step Objective from White Rose	▪ Represent numbers to 1,000 ▪ Partition numbers to 1,000 ▪ Number line to 1,000 ▪ Thousands ▪ Represent numbers to 10,000 ▪ Partition numbers to 10,000 ▪ Flexible partitioning of numbers to 10,000 ▪ Find 1, 10, 100, 1,000 more or less ▪ Number line to 10,000 ▪ Estimate on a number line to 10,000 ▪ Compare numbers to 10,000 ▪ Order numbers to 10,000 ▪ Roman numerals ▪ Round to the nearest 10 ▪ Round to the nearest 100 ▪ Round to the nearest 1,000 ▪ Round to the nearest 10, 100 or 1,000	▪ Add and subtract 1s, 10s, 100s and 1,000s ▪ Add up to two 4-digit numbers – no exchange Add two 4-digit numbers – one exchange ▪ Add two 4-digit numbers – more than one exchange ▪ Subtract two 4-digit numbers – no exchange Subtract two 4-digit numbers – one exchange Subtract two 4-digit numbers – more than one exchange ▪ Efficient subtraction ▪ Estimate answers ▪ Checking strategies	▪ What is area? ▪ Count squares to calculate area ▪ Make shapes ▪ Compare areas	▪ Multiples of 3 ▪ Multiply and divide by 6 ▪ 6 times-table and division facts ▪ Multiply and divide by 9 ▪ 9 times-table and division facts ▪ The 3, 6 and 9 times-tables ▪ Multiply and divide by 7 ▪ 7 times-table and division facts ▪ 11 times-table and division facts ▪ 12 times-table and division facts ▪ Multiply by 1 and 0 ▪ Divide a number by 1 and itself ▪ Multiply three numbers	Chosen by teacher based on needs of the class.
National Curriculum Reference	Find 1000 more or less than a given number Count backwards through zero to include negative Numbers Recognise the place value of each digit in a four-digit	Add and subtract numbers with up to 4 digits using The formal written methods of columnar addition and subtraction where appropriate Estimate and use inverse operations to check answers to a calculation	Find the area of rectilinear shapes by counting squares	Recall multiplication and division facts for multiplication tables up to 12 × 12 Use place value, known and derived facts to multiply And divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers	Mixed

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	Number (thousands, hundreds, tens, and ones) Order and compare numbers beyond 1000 Solve number and practical problems that involve All of the above and with increasingly large positive Numbers Read roman numerals to 100 (i to c) and know that Over time, the numeral system changed to include the Concept of zero and place value.	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.			

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SPRING TERM	**Block 1** **Week 1-3** MULTIPLICATION AND DIVISION	**Block 2** **Weeks 4-5** LENGTH AND PERIMETER	**Block 3** **Week 6-9** FRACTIONS	**Block 4** **Weeks 10-12** DECIMALS BLOCK A
Small Step Objective from White Rose	▪ Factor pairs ▪ Use factor pairs ▪ Multiply by 10 ▪ Multiply by 100 ▪ Divide by 10 ▪ Divide by 100 ▪ Related facts – multiplication and division ▪ Informal written methods for multiplication ▪ Multiply a 2-digit number by a 1-digit number Multiply a 3-digit number by a 1-digit number ▪ Divide a 2-digit number by a 1-digit number (1) Divide a 2-digit number by a 1-digit number (2) Divide a 3-digit number by a 1-digit number ▪ Correspondence problems ▪ Efficient multiplication	▪ Measure in kilometres and metres ▪ Equivalent lengths (kilometres and metres) ▪ Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shapes ▪ Find missing lengths in rectilinear shapes Calculate perimeter of rectilinear shapes Perimeter of regular polygons ▪ Perimeter of polygons	▪ Understand the whole ▪ Count beyond 1 ▪ Partition a mixed number Number lines with mixed numbers ▪ Compare and order mixed numbers ▪ Understand improper fractions ▪ Convert mixed numbers to improper fractions ▪ Convert improper fractions to mixed numbers ▪ Equivalent fractions on a number line ▪ Equivalent fraction families ▪ Add two or more fractions ▪ Add fractions and mixed numbers ▪ Subtract two fractions ▪ Subtract from whole amounts Subtract from mixed numbers	▪ Tenths as fractions ▪ Tenths as decimals ▪ Tenths on a place value chart ▪ Tenths on a number line ▪ Divide a 1-digit number by 10 ▪ Divide a 2-digit number by 10 ▪ Hundredths as fractions ▪ Hundredths as decimals ▪ Hundredths on a place value chart ▪ Divide a 1- or 2-digit number by 100

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National Curriculum Reference	Recognise and use factor pairs and commutativity in Mental calculations Multiply two-digit and three-digit numbers by a one-digit number using formal written layout Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.	Measure and calculate the perimeter of a rectilinear Figure (including squares) in centimetres and metres Convert between different units of measure [for Example, kilometre to metre; hour to minute]	Recognise and show, using diagrams, families of common equivalent fractions Count up and down in hundredths; recognise that Hundredths arise when dividing an object by one Hundred and dividing tenths by ten. 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 Add and subtract fractions with the same denominator Recognise and write decimal equivalents of any number of tenths or hundredths Recognise and write decimal equivalents to 1/4, 1/2, $\frac{3}{4}$	Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths Solve simple measure and money problems involving Fractions and decimals to two decimal places.

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SUMMER TERM	**Block 1** **Week 1-2** **DECIMALS BLOCK B**	**Block 2** **Weeks 3-4** **MONEY**	**Block 3** **Week 5-6** **TIME**	**Block 5** **Week 7** **RECAP AND REVISIT**	**Block 6** **Week 8-9** **SHAPE**	**Block 7** **Week 10** **STATISTICS**	**Block 8** **Weeks 11-12** **POSITION AND DIRECTION**
Small Step Objective from White Rose	• Make a whole with tenths • Make a whole with hundredths • Partition decimals • Flexibly partition decimals • Compare decimals • Order decimals • Round to the nearest whole number • Halves and quarters as decimals	▪ Write money using decimals ▪ Convert between pounds and pence ▪ Compare amounts of money ▪ Estimate with money ▪ Calculate with money ▪ Solve problems with money	▪ Years, months, weeks and days ▪ Hours, minutes and seconds ▪ Convert between analogue and digital times ▪ Convert to the 24-hour clock ▪ Convert from the 24-hour clock	Chosen by teacher based on needs of the class.	▪ Understand angles as turns ▪ Identify angles ▪ Compare and order angles ▪ Triangles ▪ Quadrilaterals ▪ Polygons ▪ Lines of symmetry ▪ Complete a symmetric figure	▪ Interpret charts ▪ Comparison, sum and difference ▪ Interpret line graphs ▪ Draw line graphs	▪ Describe position using coordinates ▪ Plot coordinates ▪ Draw 2-D shapes on a grid ▪ Translate on a grid ▪ Describe translation on a grid
National Curriculum Reference	Round decimals with one decimal place to the nearest whole number Compare numbers with the same number of decimal places up to two decimal places Solve simple measure and money problems involving fractions	Estimate, compare and calculate different measures, Including money in pounds and pence Solve simple measure and money problems involving Fractions and decimals to two decimal places.	Read, write and convert time between analogue and Digital 12- and 24-hour clocks Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	Mixed	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes Identify acute and obtuse angles and compare and order angles up to two right angles by size Identify lines of symmetry in 2-d shapes presented in different	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	Describe positions on a 2-d grid as coordinates in the first quadrant Describe movements between positions as translations of a given unit to the left/right and up/down Plot specified points and draw sides to complete a given

	and decimals to two decimal places.				orientations Complete a simple symmetric figure with respect to a specific line of symmetry		polygon.