

These small steps have been taken from the new White Rose overview v3.0 and reformatted into the table below.			
Number of Weeks	Curriculum Area	National Curriculum Objective	Small step objectives
Weeks 1 - 4	Place Value	<ul style="list-style-type: none"> Identify, represent and estimate numbers using different representations Recognise the place value of each digit in a four digit number (thousands, hundreds, tens and ones) Find 1000 more or less than a given number Order and compare numbers beyond 1000 Identify, represent and estimate numbers using different representations 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. Round any number to the nearest 10, 100 or 1000 	<ol style="list-style-type: none"> Represent numbers to 1000 Position numbers on a line to 1000 Number line to 1000 Thousands Represent numbers to 10,000 Position numbers to 10,000 Flexible partitioning of numbers to 10000 Find 1, 10, 100, 1000 more or less Number line to 10000 Estimate on a number line to 10000 Compare numbers to 10000 Order numbers to 10000 Roman numerals Round to the nearest 10 Round to the nearest 100 Round to the nearest 1000 Round to the nearest 10, 100 or 1000
Weeks 5-7	Addition and subtraction	<ul style="list-style-type: none"> Add and subtract numbers with up to four digits, using formal written methods of columnar addition and subtraction where appropriate. Solve number and practical problems that involve all of the above and with increasingly large positive numbers Solve number and practical problems that involve all of the above and with increasingly large positive numbers Add and subtract numbers with up to four digits, using formal written methods of columnar addition and subtraction where appropriate. Solve addition and subtraction, two-step problems in contexts, deciding which operations and methods to use and why. 	<ol style="list-style-type: none"> Add and subtract 1s, 10s, 100s and 1000s 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

Week 8	Area	<ul style="list-style-type: none"> Find the area of rectilinear shapes by counting squares. measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres 	<ol style="list-style-type: none"> What is area? Count squares Make shapes Compare areas
Weeks 9-14	Multiplication and Division	<ul style="list-style-type: none"> 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 3 numbers 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 1 digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects 	<ol style="list-style-type: none"> 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 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
Weeks 15 - 16	Length and Perimeter	<ul style="list-style-type: none"> Convert between different units of measure [for example, kilometre to metre; hour to minute] 	<ol style="list-style-type: none"> Measure in kilometres and metres Equivalent lengths (kilometres and metres) Perimeter on a grid

		<ul style="list-style-type: none"> • Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres 	<ol style="list-style-type: none"> 4. Perimeter of a rectangle 5. Perimeter of rectilinear shapes 6. Find missing lengths in rectilinear shapes 7. Calculate perimeter of rectilinear shapes 8. Perimeter of regular polygons 9. Perimeter of polygons
<p>Weeks 17-19</p>	<p>Fractions</p>	<ul style="list-style-type: none"> • 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 100 and dividing tenths by 10 • 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 hundreds • Recognise and write decimal equivalents $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}$ 	<ol style="list-style-type: none"> 1. Understand the whole 2. Count beyond 1 3. Partition a mixed number 4. Number lines with mixed numbers 5. Compare and order mixed numbers 6. Understand improper fractions 7. Convert mixed numbers to improper fractions 8. Convert improper fractions to mixed numbers 9. Equivalent fractions on a number line 10. Equivalent fraction families 11. Add two or more fractions 12. Add fractions and mixed numbers 13. Subtract two fractions 14. Subtract from whole amounts 15. Subtract from mixed numbers
<p>Weeks 20-24</p>	<p>Decimals</p>	<ul style="list-style-type: none"> • 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 • Round decimals with 1 decimal place to the nearest whole number • Compare numbers with the same number of decimal places up to 2 decimal places • Solve simple measure and money problems involving fractions and decimals to 2 decimal places 	<ol style="list-style-type: none"> 1. Tenths a fractions 2. Tenths as decimals 3. Tenths on a place value chart 4. Tenths on a number line 5. Divide a 1-digit number by 10 6. Divide a 2-digit number by 10 7. Hundredths as fractions 8. Hundredths as decimals 9. Hundredths on a place value chart 10. Divide a 1- or 2-digit number by 100 11. Make a whole with tenths 12. Make a whole with hundredths 13. Partition decimals

			14. Flexibly partition decimals 15. Compare decimals 16. Order decimals 17. Round to the nearest whole number 18. Halves and quarters as decimals
Weeks 25-26	Money	<ul style="list-style-type: none"> Estimate, compare and calculate different measures, including money in pounds and pence 	1. Write money using decimals 2. Convert between pounds and pence 3. Compare amounts of money 4. Estimate with money 5. Calculate with money 6. Solve problems with money
Weeks 27-28	Time	<ul style="list-style-type: none"> 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 	1. Years, months, weeks and days 2. Hours, minutes and seconds 3. Convert between analogue and digital times 4. Convert to the 24-hour clock 5. Convert from the 24-hour clock
Weeks 29-30	Shape	<ul style="list-style-type: none"> 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 2 right angles by size Identify lines of symmetry in 2-D shapes presented in different orientations Complete a simple symmetric figure with respect to a specific line of symmetry 	1. Understand angles as turns 2. Identify angles 3. Compare and order angles 4. Triangles 5. Quadrilaterals 6. Polygons 7. Lines of symmetry 8. Complete a symmetric figure
Week 31	Statistics	<ul style="list-style-type: none"> 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 	1. Interpret charts 2. Comparison, sum and difference 3. Interpret line graphs 4. Draw line graphs



Weeks 32-33	Position and Direction	<ul style="list-style-type: none"> • 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 polygon 	<ol style="list-style-type: none"> 1. Describe the position using coordinates 2. Plot coordinates 3. Draw 2-D shapes on a grid 4. Translate on a grid 5. Describe translation on a grid
Weeks 34-36	Consolidation of skills		