

<u>Autumn Term Year 4</u>	<u>Place Value</u>	<u>Addition and Subtraction</u>	<u>Multiplication and Division</u>	<u>Fractions</u>	<u>Measurements</u>	<u>Properties of Shapes</u>	<u>Statistics</u>
WRM Small Steps	<ul style="list-style-type: none"> • Count in 1,000s. • 1,000s, 100s, 10s and 1s. • Partitioning. • Number line to 10,000. • 1,000 more or less. • Compare numbers. • Order numbers. • Negative numbers. 	<ul style="list-style-type: none"> • Add and subtract 1s, 10s, 100s and 1000s. • Add 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. 	<ul style="list-style-type: none"> • Multiply by 10. • Multiply by 100. • Divide by 10. • Divide by 100. • Multiply by 1 and 0. • Divide by 1. • Multiply and divide by 6. • 6 times-table and division facts. • Multiply and divide by 9. • 9 times-table and division facts. • Multiply and divide by 7. • 7 times-table and division facts. 	<ul style="list-style-type: none"> • What is a fraction? • Equivalent fractions (1) • Equivalent fractions (2). • Fractions greater than 1. • Count in fractions. • Recognise tenths and hundredths. • Tenths as decimals. • Tenths on a place value grid. • Tenths on a number line. • Hundredths. • Hundredths as decimals. • Hundredths on a place value grid 	<ul style="list-style-type: none"> • Kilometres. • Perimeter on a grid. • Perimeter of a rectangle. • Perimeter of rectilinear shapes. • Pounds and pence. • Ordering amounts of money. • Using rounding to estimate money. • Hours, minutes and seconds. • Years, months, weeks and days. • Analogue to digital - 12 hour. • Analogue to digital - 24 hour 	<ul style="list-style-type: none"> • Identify angles. • Triangles. • Quadrilaterals. • Lines of symmetry. • Describe position. • Draw on a grid. 	<ul style="list-style-type: none"> • Interpret charts. • Comparison, sum and difference

NC Links

		<ul style="list-style-type: none"> • Checking strategies 					
	<ul style="list-style-type: none"> • Find 1000 more or less than a given number. • Recognise the place value of each digit in a four digit number (thousands, hundreds, tens and ones). • Order and compare numbers beyond 1000. • Identify, represent and estimate numbers using different representations. • Count backwards through zero to include negative numbers. 	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Recall and use multiplication and division facts for multiplication tables up to 12×12. • Count in multiples of 6, 7, 9, 25 and 1000. • 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. 	<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 one hundred and dividing tenths by ten. • Recognise and write decimal equivalents of any number of tenths or hundredths 	<ul style="list-style-type: none"> • Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres • Estimate, compare and calculate different measures, including money in pounds and pence. • Read, write and convert time between analogue and digital 12- and 24-hour clocks. 	<ul style="list-style-type: none"> • Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. • Identify lines of symmetry in 2-D shapes presented in different orientations. • Describe positions on a 2D grid as coordinates in the first quadrant. • Plot specified points and draw sides to complete a given polygon. 	<ul style="list-style-type: none"> • Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

TT Statements

	<ul style="list-style-type: none"> • Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) • Identify, represent and estimate numbers using different representations including measures • Order and compare numbers beyond 1000 • Find 1000 more or less than a given number 	<ul style="list-style-type: none"> • Add numbers with up to four digits using the formal method of columnar addition. • Subtract numbers with up to four digits using the formal method of columnar subtraction. • Estimate and use inverse operations to check answers to a calculation. 	<ul style="list-style-type: none"> • 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. 	<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 one hundred and dividing tenths by ten. • Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$. 	<ul style="list-style-type: none"> • I can measure and calculate the perimeter of a rectilinear figure (Including squares) in centimetres and metres • I can estimate, compare and calculate different measures, including money in pounds and pence • I can read, write and compare time between analogue and digital 12-hour and 24-hour clocks 	<ul style="list-style-type: none"> • I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes • I can identify lines of symmetry in 2-D shapes presented in different orientations • I can plot positions on a 2-D grid as positive number coordinates • I can plot points I am given and draw sides to complete a given polygon 	<ul style="list-style-type: none"> • I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs
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