

Year 4—Autumn Term—NC Objectives

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
<u>Number - Place Value</u>		<u>Number- Addition and Subtraction</u>		<u>Number – Place Value</u>		<u>Number- Addition and Subtraction</u>	<u>Measure- ment: Length and Perimeter</u>	<u>Number – Multiplication and Division</u>			<u>Time</u>	<u>Geometry: Properties of shape</u>	
Count in multiples of 6, 7, 9, 25 and 1000.		Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.		Count in multiples of 6, 7, 9, 25 and 1000.		Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	Recall and use multiplication and division facts for multiplication tables up to 12×12 .			Convert between different units of measure [for example, kilometre to metre; hour to minute]	Identify acute and obtuse angles and compare and order angles up to two right angles by size.	
Find 1000 more or less than a given number.		Estimate and use inverse operations to check answers to a calculation.		Find 1000 more or less than a given number.		Order and compare numbers beyond 1000	Convert between different units of measure [for example, kilometre to metre]	Count in multiples of 6, 7, 9, 25 and 1000			Read, write and convert time between analogue and digital 12- and 24-hour clocks.	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.	
Recognise the place value of each digit in a four digit number (thousands, hundreds, tens and ones)		Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.		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.	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.	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.			Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	Identify lines of symmetry in 2-D shapes presented in different orientations.	
Order and compare numbers beyond 1000		Round any number to the nearest 10, 100 or 1000		Order and compare numbers beyond 1000		Estimate and use inverse operations to check answers to a calculation.	Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.	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.			Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	Complete a simple symmetric figure with respect to a specific line of symmetry.	
Identify, represent and estimate numbers using different representations.		Solve number and practical problems that involve all of the above and with increasingly large positive numbers.		Identify, represent and estimate numbers using different representations.		Round any number to the nearest 10, 100 or 1000	Solve number and practical problems that involve all of the above and with increasingly large positive numbers.	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.			Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	Complete a simple symmetric figure with respect to a specific line of symmetry.	
Round any number to the nearest 10, 100 or 1000		Solve number and practical problems that involve all of the above and with increasingly large positive numbers.		Round any number to the nearest 10, 100 or 1000		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.	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.			Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	Complete a simple symmetric figure with respect to a specific line of symmetry.	
Solve number and practical problems that involve all of the above and with increasingly large positive numbers.		Count backwards through zero to include negative numbers.		Solve number and practical problems that involve all of the above and with increasingly large positive numbers.		Count backwards through zero to include negative numbers.	Count backwards through zero to include negative numbers.	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.			Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	Complete a simple symmetric figure with respect to a specific line of symmetry.	
Count backwards through zero to include negative 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.		Count backwards through zero to include negative 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.	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.	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.			Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	Complete a simple symmetric figure with respect to a specific line of symmetry.	
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Year 4—Autumn Term—Small Steps

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
<u>Number - Place Value</u>		<u>Number- Addition and Subtraction</u>		<u>Number – Place Value</u>		<u>Number- Addition and Subtraction</u>	<u>Measure- ment: Length and Perimeter</u>	<u>Number – Multiplication and Division</u>			<u>Time</u>	<u>Geometry: Properties of shape</u>	
Count in 1,000s		Add and subtract 1s, 10s, 100s and 1000s		Roman numerals to 100		Estimate answers	Perimeter on a grid	Multiply by 10			Hours, minutes and seconds	Identify angles	
1,000s, 100s, 10s and 1s		Add two 4-digit numbers – no exchange		Round to the nearest 10		Subtract two 4-digit numbers – more than one exchange	Perimeter of a rectangle	Multiply by 100			Years, months, weeks and days	Compare and order angles	
Partitioning		Add two 4-digit numbers – one exchange		Round to the nearest 100		Efficient subtraction	Perimeter of rectilinear shapes	Divide by 10			Analogue to digital – 12 hour	Triangles	
Number line to 10,000		Subtract two 4-digit numbers – no exchange		Count in 25s		Checking strategies		Divide by 100			Analogue to digital – 24 hour	Quadrilaterals	
1,000 more or less		Subtract two 4-digit numbers – one exchange		Negative numbers				Multiply by 1 and 0					
Compare numbers		Add two 4-digit numbers – more than one exchange		Round to the nearest 1,000				Divide by 1					
Order numbers		Checking strategies						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					

Year 4—Spring Term—NC Objectives

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<p><u>Number – Multiplication and Division</u></p> <p>Recall and use multiplication and division facts for multiplication tables up to 12×12.</p> <p>Count in multiples of 6, 7, 9, 25 and 1000</p> <p>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.</p> <p>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.</p>			<p><u>Measurement- Area</u></p> <p>Find the area of rectilinear shapes by counting squares.</p>	<p><u>Fractions</u></p> <p>Recognise and show, using diagrams, families of common equivalent fractions.</p> <p>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p> <p>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.</p> <p>Add and subtract fractions with the same denominator.</p>	<p><u>Decimals</u></p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths.</p> <p>Find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places.</p> <p>Convert between different units of measure [for example, kilometre to metre]</p>	<p><u>Fractions</u></p> <p>Recognise and show, using diagrams, families of common equivalent fractions.</p> <p>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p> <p>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.</p> <p>Add and subtract fractions with the same denominator.</p>	<p><u>Geometry: Properties of shape</u></p> <p>Identify acute and obtuse angles and compare and order angles up to two right angles by size.</p> <p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.</p> <p>Identify lines of symmetry in 2-D shapes presented in different orientations.</p> <p>Complete a simple symmetric figure with respect to a specific line</p>	<p>CONSOLIDATION</p>			

Year 4—Spring Term—Small Steps

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<u>Number – Multiplication and Division</u> 11 and 12 times-table Multiply 3 numbers Factor pairs Efficient multiplication Written methods Multiply 2-digits by 1-digit Multiply 3-digits by 1-digit Divide 2-digits by 1-digit (1) Divide 2-digits by 1-digit (2) Correspondence problems			<u>Measurement- Area</u> What is area? Counting squares Making shapes Comparing area	<u>Fractions</u> What is a fraction? Equivalent fractions (pictorial) Equivalent fractions (numerical) Fractions greater than 1 Count in fractions		<u>Decimals</u> 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		<u>Fractions</u> Count in fractions Add 2 or more fractions Subtract 2 fractions Subtract from whole amounts Calculate fractions of a quantity Problem solving – calculate quantities		<u>Geometry: Properties of shape</u> Lines of symmetry Complete a symmetric figure	CONSOLIDATION

Year 4—Summer Term—NC Objectives

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<p><u>Decimals</u></p> <p>Compare numbers with the same number of decimal places up to two decimal places.</p> <p>Round decimals with one decimal place to the nearest whole number.</p> <p>Recognise and write decimal equivalents to 14, 12 and 34</p> <p>Find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths</p>	<p><u>Measurement-Money</u></p> <p>Estimate, compare and calculate different measures, including money in pounds and pence.</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places.</p>	<p><u>Measurement: Length and Perimeter</u></p> <p>Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p> <p>Convert between different units of measure [for example, kilometre to metre]</p>	<p><u>Problem Solving and Efficient Methods</u></p> <p>Activities that challenge children’s reasoning, investigative and problem solving skills.</p> <p>To include problems involving number, money, shape, position and direction, measure, statistics and fractions.</p>	<p><u>Measurement-Money</u></p> <p>Estimate, compare and calculate different measures, including money in pounds and pence.</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places.</p>	<p><u>Decimals</u></p> <p>Compare numbers with the same number of decimal places up to two decimal places.</p> <p>Round decimals with one decimal place to the nearest whole number.</p> <p>Recognise and write decimal equivalents to 14, 12 and 34</p> <p>Find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths</p>		<p><u>Statistics</u></p> <p>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p> <p>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p>	<p><u>Geometry-Position and Direction</u></p> <p>Describe positions on a 2-D grid as coordinates in the first quadrant.</p> <p>Plot specified points and draw sides to complete a given polygon.</p> <p>Describe movements between positions as translations of a given unit to the left/ right and up/ down.</p>	<p><u>Problem Solving and Efficient Methods</u></p> <p>Activities that challenge children’s reasoning, investigative and problem solving skills.</p> <p>To include problems involving number, money, shape, position and direction, measure, statistics and fractions.</p>	<p><u>Statistics</u></p> <p>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p> <p>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p>	<p>REVISION/ CONSOLIDATION</p>

