

Term	Strand	National Curriculum 2014 Objectives	Focus	Sequence
Autumn 1	Number and Place Value	<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) count backwards through zero to include negative numbers order and compare numbers beyond 1000 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 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 in multiples of 6, 7, 9, 25 and 1000 	Numbers to 10,000	<ul style="list-style-type: none"> Counting in multiples of 6, 7, 9 Counting in multiples of 25, 1000 Comparing numbers to 1000 Ordering numbers to 1000 Count backwards through zero, using negative numbers Rounding to the nearest 10, 100 and 1000 Estimation Factors Multiples
	Addition and Subtraction	<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 solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why 	Addition and subtraction – 4 digit numbers	<ul style="list-style-type: none"> Addition and Subtraction Facts Adding with regrouping Subtracting with exchange Using models Addition and Subtraction word problems Problem Solving
Autumn 2	Multiplication and division	<ul style="list-style-type: none"> recall multiplication and division facts for multiplication tables up to 12×12 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 recognise and use factor pairs and commutativity in mental calculations 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 multiply two-digit and three-digit numbers by a one-digit number using formal written layout 	Multiplication and division	<ul style="list-style-type: none"> Multiplication Facts 6, 9, 7, 11 and 12 Times Table Factor pairs Multiplying by 1 digit number Multiplying by 2 digit numbers
	Measurement	<ul style="list-style-type: none"> convert between different units of measure [e.g. hour to minute] solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days 	Time	<ul style="list-style-type: none"> Telling the time Converting between seconds, minutes and hours

		<ul style="list-style-type: none"> read, write and convert time between analogue and digital 12- and 24-hour clocks 		<ul style="list-style-type: none"> Converting between hours, days, months and years Write and convert time between analogue and digital 12 and 24 hour clocks
Spring 1	Measurements	<ul style="list-style-type: none"> measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres convert between different units of measure [e.g. kilometre to metre] find the area of rectilinear shapes by counting squares 	Area and Perimeter	<ul style="list-style-type: none"> Measuring perimeter Calculating perimeter Problem solving Calculating area
	Fractions	<ul style="list-style-type: none"> add and subtract fractions with the same denominator 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 	Fractions	<ul style="list-style-type: none"> Counting in hundredths Adding And Subtracting Fractions Finding equivalent fractions Finding a fraction of a set Finding fractions of quantities Finding fractions of shapes Problem solving
Spring 2	Statistics	<ul style="list-style-type: none"> solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs 	Discrete and continuous data	<ul style="list-style-type: none"> Interpret a pictogram where the symbol represents multiple items Interpret bar charts, including those with different scales on the frequency axis Choose different scales to create a bar chart Create and interpret a time graph Solve problems involving data represented in charts and graph
	Fractions (including decimals)	<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 recognise and write decimal equivalents of any number of tenths or hundredths recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ 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 	Decimals	<ul style="list-style-type: none"> Understanding tenths Understanding hundredths Comparing decimals Divide numbers by 10 and 100 Rounding off decimals Recognise and write decimal equivalents of any number of tenths or hundredths Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ Problem solving

Summer 1	Measurement	<ul style="list-style-type: none"> • solve simple measure and money problems involving fractions and decimals to two decimal places • estimate, compare and calculate different measures, including money in pounds and pence 	Money	<ul style="list-style-type: none"> • Use decimal notations when converting between pounds and pence • • Estimate amounts • Compare amounts • Find totals • Find change • Solve money problems involving fractions
	Geometry	<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 • 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 orientations • complete a simple symmetric figure with respect to a specific line of symmetry 	Position Angles Symmetry	<ul style="list-style-type: none"> • Use coordinates to describe and to position a point • Translate shapes and describe the movements of the points • Understand and describe what acute and obtuse angles are • Identify acute and obtuse angles • Compare angles • Order angles • Identify lines of symmetry in shapes and patterns
Summer 2		<ul style="list-style-type: none"> • End of year assessment • Consolidation and application opportunities 		