

Year 4 - Autumn	Year 4 -Spring	Year 4 - Summer
Small Steps		
Number: Place Value	Measures: Area	Measures: Money
<ul style="list-style-type: none"> Count in multiples of 6 Count in multiples of 7 Count in multiples of 9 Count in multiples of 25 Count in multiple of 1000 Find 1000 more than a given number. Find 1000 less than a given number. Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones) Order numbers beyond 1000 Compare numbers beyond 1000 Identify numbers using different representations. Represent numbers using different representations. Estimate numbers using different representations. Round any number to the nearest 10 Round any number to the nearest 100 Round any number to the nearest 1000 Solve number problems that involve all of the above and with increasingly large positive numbers. Practical problems that involve all of the above and with increasingly large positive numbers. Count backwards through zero to include negative numbers. Read Roman numerals to 100 (I to C) Know that over time, the numeral system changed to include the concept of zero and place value. 	<ul style="list-style-type: none"> Find the area of rectilinear shapes by counting squares. Convert between different units of measure [for example, kilometre to metre]. 	<ul style="list-style-type: none"> Estimate different measures, including money in pounds and pence. Compare different measures, including money in pounds and pence. Calculate different measures, including money in pounds and pence. Solve simple money problems.
Number: Addition and Subtraction	Number: Fractions	Measures: Time
<ul style="list-style-type: none"> Add numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate. Subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate. Estimate answers to a calculation. Use inverse operations to check answers to a calculation. Solve addition two step problems in contexts, deciding which operations and methods to use. Solve subtraction two step problems in contexts, deciding which operations and methods to use. Solve addition two step problems in contexts, deciding which operations and methods to use give reasons why. Solve subtraction two step problems in contexts, deciding which operations and methods to use give reasons why. Count in multiples of 6 Count in multiples of 7 Count in multiples of 9 Count in multiples of 25 Count in multiple of 1000 Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, Solve problems involving multiplying and adding including using integer scaling problems Solve problems involving multiplying and 	<ul style="list-style-type: none"> Recognise and show, using diagrams, families of common equivalent fractions. Count up in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. Count 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 Solve problems involving fractions to divide quantities, including non-unit fractions where the answer is a whole number. Add fractions with the same denominator. Subtract fractions with the same denominator. Find the effect of dividing a one- or two-digit number by 10 Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths. Solve simple measure problems involving fractions. 	<ul style="list-style-type: none"> Convert between different units of measure [for example, kilometre to metre; hour to minute] Read time between analogue and digital 12- and 24-hour clocks. Write time between analogue and digital 12- and 24-hour clocks. Convert time between analogue and digital 12- and 24-hour clocks. Solve problems involving converting from hours to minutes Solve problems involving converting from minutes to seconds Solve problems involving converting from years to months Solve problems involving converting from weeks to days.

<p>adding including using harder correspondence problems such as n objects are connected to m objects.</p>		
<p>Measures: Length and Perimeter</p>	<p>Number: Decimals</p>	<p>Statistics</p>
<ul style="list-style-type: none"> • Measure the perimeter of a rectilinear figure (including squares) in centimetres and metres. • Calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. • Convert between different units of measure [for example, kilometre to metre] 	<ul style="list-style-type: none"> • Recognise decimal equivalents of any number of tenths or hundredths. • Write decimal equivalents of any number of tenths or hundredths. • Solve simple measure problems decimals to two decimal places. • Compare numbers with the same number of decimal places up to two decimal places. • Round decimals with one decimal place to the nearest whole number. • Recognise decimal equivalents to $\frac{1}{4}$ • Write decimal equivalents to $\frac{1}{4}$ • Recognise decimal equivalents to $\frac{1}{2}$ • Write decimal equivalents to $\frac{1}{2}$ • Recognise decimal equivalents to $\frac{3}{4}$ • Write decimal equivalents to $\frac{3}{4}$. • Find the effect of dividing a one- or two-digit number by 10 • Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths. 	<ul style="list-style-type: none"> • Interpret discrete and continuous data using appropriate graphical methods, including bar charts • Present discrete and continuous data using appropriate graphical methods, including bar charts. • Interpret discrete and continuous data using appropriate graphical methods, including time graphs. • Present discrete and continuous data using appropriate graphical methods, including time graphs. • Solve comparison problems using information presented in bar charts • Solve sum problems using information presented in bar charts • Solve difference problems using information presented in bar charts • Solve comparison problems using information presented in pictograms • Solve sum problems using information presented in pictograms • Solve difference problems using information presented in pictograms • Solve comparison problems using information presented tables and other graphs. • Solve sum problems using information presented tables and other graphs. • Solve difference problems using information presented tables and other graphs.
<p>Number: Multiplication and Division</p>		<p>Geometry: Properties of Shape</p>
<ul style="list-style-type: none"> • Recall multiplication facts for multiplication tables up to 12×12. • Use multiplication and division facts for multiplication tables up to 12×12. • Recall division facts for multiplication tables up to 12×12. • Use division facts for multiplication tables up to 12×12. • Use place value, known and derived facts to multiply mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers. • Use place value, known and derived facts to divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers. • Recognise factor pairs and commutativity in mental calculations. • Use factor pairs and commutativity in mental calculations. • Multiply two digit numbers by a one digit number using formal written layout. • Multiply 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, • Solve problems involving multiplying and adding including using integer scaling problems • Solve problems involving multiplying and adding including using harder correspondence problems such as n objects are connected to m objects. 		<ul style="list-style-type: none"> • Identify acute angles • Identify obtuse angles • Compare and order angles up to two right angles by size. • Compare geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. • 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. • Complete a simple symmetric figure with respect to a specific line of symmetry.
		<p>Geometry: Position and Direction</p>
		<ul style="list-style-type: none"> • Describe positions on a 2-D grid as coordinates in the first quadrant.

		<ul style="list-style-type: none">• Plot specified points to complete a given polygon.• Draw sides to complete a given polygon.• Describe movements between positions as translations of a given unit to the left/ right and up/ down.
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