





<p>SPRING 2 Area & volume: Calculate the area of rectangles / compound shapes / triangles / parallelograms / Calculate the volume of a cuboid / Compare volumes / Estimate volume & capacity. Decimals: Add & subtract decimals with the same or different number of decimal places Multiply & divide decimals by 10, 100 and 1000 / Multiply & divide decimals by integers. Fractions, decimals & percentages: Know and use the fraction and decimal equivalents for tenths, hundredths and thousandths / Understand percentages to fractions & decimals / Order F, D and P / Calculate percentages of an amount.</p>		<p>SUMMER 1 Ratio: Use ratio language / use scale factors / calculate with similar shapes / solve ratio and proportion problems. Algebra: Use function machines / form expressions / substitute into expressions / substitute into formulae / form equations / solve one equations / find pairs of values to solve problems with two unknowns. Shape: Measure angles in degrees with a protractor / calculate angles around a point & on a straight line / identify vertically opposite angles / calculate missing angles in triangles & quadrilaterals / Draw shapes / Reason about 3D shapes.</p>		<p>SUMMER 2 Position & direction: Read and plot coordinates in the first quadrant & in all 4 quadrants / translate shapes on a grid / Identify lines of symmetry / reflect shapes on a coordinate grid. Statistics: Draw, read & interpret line graphs & bar charts (including dual bar charts) / Read information from tables & two-way tables / Read & interpret pie charts / Draw pie charts / Calculate the mean. Converting units: Convert between metric units / convert between miles and kilometres / convert units of time / calculate with timetables.</p>		<p>SUMMER 1 Ratio: Use ratio language / use scale factors / calculate with similar shapes / solve ratio and proportion problems. Algebra: Use function machines / form expressions / substitute into expressions / substitute into formulae / form equations / solve one equations / find pairs of values to solve problems with two unknowns. Shape: Measure angles in degrees with a protractor / calculate angles around a point & on a straight line / identify vertically opposite angles / calculate missing angles in triangles & quadrilaterals / Draw shapes / Reason about 3D shapes.</p>		<p>SPRING 2 Area & volume: Calculate the area of rectangles / compound shapes / triangles / parallelograms / Calculate the volume of a cuboid / Compare volumes / Estimate volume & capacity. Decimals: Add & subtract decimals with the same or different number of decimal places Multiply & divide decimals by 10, 100 and 1000 / Multiply & divide decimals by integers. Fractions, decimals & percentages: Know and use the fraction and decimal equivalents for tenths, hundredths and thousandths / Understand percentages to fractions & decimals / Order F, D and P / Calculate percentages of an amount.</p>	
<p>SPRING 1 Multiplication & division (continued): Solve multi-step problems involving \times and \div / Use the order of operations / reason from known facts. Fractions: Multiply unit fractions by an integer / multiply non-unit fractions by an integer / multiply mixed numbers by integers / divide a fraction by an integer / calculate fractions of an amount / use a fraction of an amount to find the whole. Decimals: Identify place value in decimals with 2 or 3dp / Order and compare decimals up to 3dp / Round to the nearest whole number / Round to 1 or 2dp. Perimeter: Calculate the area of rectangles & rectilinear shapes.</p>		<p>SUMMER 1 Ratio: Use ratio language / use scale factors / calculate with similar shapes / solve ratio and proportion problems. Algebra: Use function machines / form expressions / substitute into expressions / substitute into formulae / form equations / solve one equations / find pairs of values to solve problems with two unknowns. Shape: Measure angles in degrees with a protractor / calculate angles around a point & on a straight line / identify vertically opposite angles / calculate missing angles in triangles & quadrilaterals / Draw shapes / Reason about 3D shapes.</p>		<p>SUMMER 2 Position & direction: Read and plot coordinates in the first quadrant & in all 4 quadrants / translate shapes on a grid / Identify lines of symmetry / reflect shapes on a coordinate grid. Statistics: Draw, read & interpret line graphs & bar charts (including dual bar charts) / Read information from tables & two-way tables / Read & interpret pie charts / Draw pie charts / Calculate the mean. Converting units: Convert between metric units / convert between miles and kilometres / convert units of time / calculate with timetables.</p>		<p>AUTUMN 1 Place Value: Understand place value for numbers up to 10,000,000 / compare and order any integers / round numbers within 100,000 / round any integer / count through zero / Compare and order negative numbers. Addition & subtraction: Use mental strategies for addition and subtraction / Add & subtract numbers with more than 4 digits (column method) / use inverse operations to solve missing number problems / reason from known facts. Multiplication & division: understand and identify multiples and factors / identify common factors / identify prime numbers / Identify square and cube numbers / multiply by 10, 100 and 1000 / divide by 10, 100 and 1000.</p>		<p>AUTUMN 2 Fractions: Identify equivalent fractions / Convert between improper fractions and mixed numbers / compare and order fractions / add & subtract fractions / add & subtract mixed numbers / subtract a fraction from a mixed number / Subtract two mixed numbers / solve multi-step problems involving fractions. Multiplication & division: Multiply up to a 4-digit number by a 2-digit number / Use short division / Use long division with and without remainders.</p>	
<p>SUMMER 1 Time: Tell the time to 5 minutes & to the minute / Use am and pm / convert between analogue and digital times / Convert between 12- and 24-hour clock times / find and use durations. Decimals: Write tenths as fractions, decimals, on a place value chart and on a number line / Write hundredths as fractions, decimals, on a place value chart and on a number line / Write halves and quarters as decimals / Compare and order decimals / Round to the nearest whole number / Divide a number by 10 and 100. Money: Write money using decimals / Convert pounds and pence / Compare amounts of money / Add & subtract money / Find change.</p>		<p>SUMMER 2 Shape: Identify turns and angles / Compare & angles / draw lengths accurately / identify horizontal and vertical lines / identify parallel and perpendicular lines / recognise & describe 2D & 3D shapes / Draw polygons / Identify lines of symmetry. Position & direction: Read & plot coordinates / Translate on a grid Statistics: Interpret and draw bar charts / pictograms / line graphs / Interpret data from two-way tables / Collect & represent data.</p>		<p>AUTUMN 1 Place Value: Represent numbers to 1000 / understand the place value of numbers up to 1000 / use a number line up to 1000 / Find 1, 10, 100 or 1000 more or less / compare objects / compare numbers / order numbers / Round to the nearest 10, 100 or 1000. Addition and subtraction: Add and subtract 1s, 10s, 100s 1nad 1000s / add up to two 4-digit numbers – no exchange / across a 10 / across a 100 / across a 1000 / subtract up to two 4-digit numbers – no exchange / across a 10 / across a 100 / across a 1000.</p>		<p>AUTUMN 2 Addition and subtraction: Know and use complements to 100 / 1000 / estimate answers to calculations / Use inverse operations to check answers to calculations / Select the most efficient method for a calculation. Multiplication and division: Use equal groups for multiplication & division / multiply and divide by 2, 5 and 10 / Recall facts from the 2, 4 and 8 times-table / Recall facts from the 3, 6 and 9 times-table / Recall facts from the 7, 11 and 12 times-table / Multiply by 1 and 0 / Divide a number by 1 and itself. Area: Count the number of squares inside a shape to find its area / Compare the area of two shapes.</p>		<p>SPRING 1 Multiplication and division: Multiply three numbers / multiply up to a 3-digit number by a 1-digit number – no exchange & with exchange / Answer related calculations using known facts / Divide up to a 3-digit number by a 1-digit number – no exchange, with exchange & with remainders. Length & perimeter: Measure length in mm, cm, m & km / Find equivalent lengths using m and cm / Find equivalent lengths using cm and mm / add and subtract lengths / measure perimeter / calculate perimeter of rectilinear shapes & polygons.</p>	
<p>SPRING 2 Fractions: Understand denominators, numerators and the whole / Compare & order unit fractions & non-unit fractions / Identify equivalent fractions / Count beyond 1 / Partition a mixed number / Compare and order mixed numbers / Convert between mixed numbers and improper fractions and vice versa. Mass and capacity: Measure, compare, add & subtract mass / measure volume & compare, add & subtract capacity & volume. Fractions: Add fractions and mixed numbers / Subtract from whole amounts & mixed numbers / Calculate unit and non-unit fractions of an amount.</p>		<p>SPRING 1 Multiplication and division: Multiply three numbers / multiply up to a 3-digit number by a 1-digit number – no exchange & with exchange / Answer related calculations using known facts / Divide up to a 3-digit number by a 1-digit number – no exchange, with exchange & with remainders. Length & perimeter: Measure length in mm, cm, m & km / Find equivalent lengths using m and cm / Find equivalent lengths using cm and mm / add and subtract lengths / measure perimeter / calculate perimeter of rectilinear shapes & polygons.</p>		<p>AUTUMN 2 Addition and subtraction: Know and use complements to 100 / 1000 / estimate answers to calculations / Use inverse operations to check answers to calculations / Select the most efficient method for a calculation. Multiplication and division: Use equal groups for multiplication & division / multiply and divide by 2, 5 and 10 / Recall facts from the 2, 4 and 8 times-table / Recall facts from the 3, 6 and 9 times-table / Recall facts from the 7, 11 and 12 times-table / Multiply by 1 and 0 / Divide a number by 1 and itself. Area: Count the number of squares inside a shape to find its area / Compare the area of two shapes.</p>		<p>AUTUMN 1 Place Value: Represent numbers to 1000 / understand the place value of numbers up to 1000 / use a number line up to 1000 / Find 1, 10, 100 or 1000 more or less / compare objects / compare numbers / order numbers / Round to the nearest 10, 100 or 1000. Addition and subtraction: Add and subtract 1s, 10s, 100s 1nad 1000s / add up to two 4-digit numbers – no exchange / across a 10 / across a 100 / across a 1000 / subtract up to two 4-digit numbers – no exchange / across a 10 / across a 100 / across a 1000.</p>		<p>SPRING 2 Fractions: Understand denominators, numerators and the whole / Compare & order unit fractions & non-unit fractions / Identify equivalent fractions / Count beyond 1 / Partition a mixed number / Compare and order mixed numbers / Convert between mixed numbers and improper fractions and vice versa. Mass and capacity: Measure, compare, add & subtract mass / measure volume & compare, add & subtract capacity & volume. Fractions: Add fractions and mixed numbers / Subtract from whole amounts & mixed numbers / Calculate unit and non-unit fractions of an amount.</p>	

*Y3/4 mixed year group & Y5/6 mixed year group curriculums being used this year to meet needs of current children in Primary.

