

Year 6

National Curriculum objectives (Statutory) Ready to progress statements (Non-statutory: guidance)

Autumn term 2022

| Wk1 | Wk2 | Wk3 | Wk4 | Wk5 | Wk6 | Wk7 |
|---|--|---|---|--|--|---|
| <p>Number: Number and place value</p> <p><u>Y6</u> WALT- Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit</p> <p>6NPV-2 Recognise the place value of each digit in numbers up to 10 million, including decimal fractions, and compose and decompose numbers up to 10 million using standard and non-standard partitioning.</p> | <p>Number: Number and place value</p> <p><u>Y6</u> WALT- Order and compare numbers to 10,000,000</p> <p><u>Y6</u> WALT -Round any whole number to a required degree of accuracy</p> <p>6NPV-3 Reason about the location of any number up to 10 million, including decimal fractions, in the linear number system, and round numbers, as appropriate, including in contexts.</p> <p>Y5 RAG July 22 5NPV-2 Recognise the place value of each digit in numbers with up to 2 decimal places, and compose and decompose numbers with up to 2 decimal places using standard and non-standard partitioning.</p> | <p>Number: Number and place value</p> <p><u>Y6</u> WALT - Identify the value of each digit in numbers given to three decimal places</p> <p><u>Y6</u> WALT - Use negative numbers in context, and calculate intervals across zero</p> <p>WALT - Identify numbers accurately on a number line and read scales with 2, 4, 5 or 10 intervals</p> <p>6NPV-4 Divide powers of 10, from 1 hundredth to 10 million, into 2, 4, 5 and 10 equal parts, and read scales/number lines with labelled intervals divided into 2, 4, 5 and 10 equal parts.</p> <p>Y5 RAG July 22 5NPV-3 Reason about the location of any number with up to 2 decimal places in the linear number system, including identifying the previous and next multiple of 1 and 0.1 and rounding to the nearest of each.</p> <p>5NPV-4 Divide 1 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in units of 1 with 2, 4, 5 and 10 equal parts.</p> | <p>Number: Addition and Subtraction</p> <p><u>Y5/6</u> WALT -Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</p> <p><u>Y5</u> WALT - Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)</p> <p><u>Y5</u> WALT - Add and subtract numbers mentally with increasingly large numbers</p> | <p>Number: Multiplication</p> <p><u>Y6</u> WALT - Identify common factors, common multiples and prime numbers</p> <p><u>Y5/6</u> WALT - Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers</p> <p><u>Y5</u> WALT - Multiply numbers mentally by drawing upon known facts</p> <p><u>Y6</u> WALT - Multiply one-digit numbers with up to two decimal places by whole numbers</p> <p>Y5 RAG July 22 5MD-2 Find factors and multiples of positive whole numbers, including common factors and common multiples, and express a given number as a product of 2 or 3 factors.</p> <p>5MD-3 Multiply any whole number with up to 4 digits by any one-digit number using a formal written method.</p> | <p>Assessment Week</p> <p><u>Y6</u> WALT - Use their knowledge of the order of operations to carry out calculations involving the four operations</p> | <p>Geometry – Angles</p> <p><u>Y3</u> WALT - Identify horizontal and vertical lines and pairs of perpendicular and parallel lines</p> <p><u>Y5</u> WALT - Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles</p> <p><u>Y5</u> WALT - Draw given angles, and measure them in degrees</p> <p><u>Y5</u> WALT - Identify angles at a point and one whole turn</p> <p><u>Y5</u> WALT - Identify angles at a point on a straight line and $\frac{1}{2}$ a turn</p> <p>Y5 RAG July 22 5G-1 Compare angles, estimate, and measure angles in degrees (°) and draw angles of a given size – NOT TAUGHT</p> |

| Wk1 | Wk2 | Wk3 | Wk4 | Wk5 | Wk6 | Wk7 |
|---|--|---|--|--|---|--|
| <p>Number: Division</p> <p><u>Y5</u> WALT - Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context</p> <p><u>Y6</u> WALT - Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context</p> <p>Y5 RAG rating July 22 5MD-4 Divide a number with up to 4 digits by a one-digit number using a formal written method, and interpret remainders appropriately for the context.</p> | <p>Number: Fractions</p> <p><u>Y6</u> WALT - Use common factors to simplify fractions; use common multiples to express fractions in the same denomination</p> <p><u>Y6</u> WALT - Compare and order fractions, including fractions > 1</p> <p>6F-1 Recognise when fractions can be simplified, and use common factors to simplify fractions.</p> <p>6F-3 Compare fractions with different denominators, including fractions greater than 1, using reasoning, and choose between reasoning and common denominator as a comparison strategy.</p> <p>Y5 RAG rating July 22 5F-2 Find equivalent fractions and understand that they have the same value and the same position in the linear number system.</p> | <p>Number: Fractions</p> <p><u>Y6</u> WALT - Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</p> <p><u>Y6</u> WALT - Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]</p> | <p>Number: Decimals</p> <p><u>Y5</u> WALT - Read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$]</p> <p><u>Y5</u> WALT - Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25</p> <p>Y5 RAG rating July 22 5F-3 Recall decimal fraction equivalents for $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$ and $\frac{1}{10}$, and for multiples of these proper fractions.</p> | <p>Assessment Week</p> <p><u>Y6</u> WALT - Recall and use equivalences between simple fractions, decimals and percentages, including in difference contexts</p> | <p>Geometry: Position and direction</p> <p><u>Y4</u> WALT - Describe positions on a 2D grid as coordinates in the first quadrant</p> <p><u>Y4</u> WALT - Describe movements between positions as translations of a given unit to the left/right and up/down</p> <p><u>Y4</u> WALT - Plot specified points and draw sides to complete a given polygon</p> <p><u>Y5</u> WALT - Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed</p> | <p>Geometry: Position and direction</p> <p><u>Y5</u> WALT - Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed</p> |

| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 |
|---|--|--|--|---|--|
| <p>Fractions</p> <p>WALT: Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions (Y6)</p> <p>WALT: Divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$] (Y6)</p> | <p>Fractions, Decimals, Percentage</p> <p>WALT: 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 (Y4)</p> <p>RAG from Y5: 5F-1 Find non-unit fractions of quantities.</p> <p>WALT: Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal (Y5)</p> <p>WALT: Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25 (Y5)</p> <p>RAG from Y5: 5F-3 Recall decimal fraction equivalents for $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$ and $\frac{1}{10}$ and for multiples of these proper fractions.</p> <p>WALT: Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison (Y6)</p> | <p>Fractions, Decimals and Percentages</p> <p>WALT: Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25 (Y5)</p> <p>WALT: Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. (Y6)</p> <p>WALT: Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison (Y6)</p> <p>Measure</p> <p>WALT: Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 (Y5)</p> <p>RAG from Y5: 5MD-1 Multiply and divide numbers by 10 and 100; understand this as equivalent to making a number 10 or 100 times the size, or 1 tenth or 1 hundredth times the size.</p> <p>WALT: Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre (Y5)</p> <p>5NPV-5 Convert between units of measure, including using common decimals and fractions.</p> <p>WALT: Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres (Y5)</p> | <p>Measure</p> <p>WALT: Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) (Y6)</p> <p>WALT: Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate</p> <p>Time</p> <p>WALT: Read, write and convert time between analogue and digital 12- and 24-hour clocks (Y4)</p> <p>WALT: Solve problems involving converting between units of time (Y5)</p> <p>WALT: Complete, read and interpret information in tables, including timetables. (Y5)</p> | <p>Area</p> <p>Y5 WALT: Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes</p> <p>RAG from Y5 5G-2 Compare areas and calculate the area of rectangles (including squares) using standard units.</p> <p>WALT: Recognise when it is possible to use formulae for area of shapes (Y6)</p> <p>WALT: Calculate the area of parallelograms and triangles (Y6)</p> | <p>Assessment Week (Two Lessons)</p> <p>Geometry: Angles</p> <p>WALT: Draw given angles, and measure them in degrees (°) (Y5)</p> <p>RAG from Y5: 5G-1 Compare angles, estimate, and measure angles in degrees (°) and draw angles of a given size.</p> <p>WALT: Angles at a point and one whole turn (total 360°) (Y5)</p> <p>WALT: Angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180°) (Y5)</p> <p>WALT: Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. (Y6)</p> |

Year 6 Spring 2

| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 |
|--|---|---|---|---|---------------------------|
| <p><u>Volume</u> WALT: Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units [for example, mm³ and km³].</p> <p><u>Geometry : Properties of Shape</u></p> <p>WALT: Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes (Y4)</p> <p>WALT: Identify 3-D shapes, including cubes and other cuboids, from 2-D representations (Y5)</p> <p>WALT: Parts of a circle. Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius (Y6)</p> | <p><u>Statistics</u></p> <p>Solve comparison, sum and difference problems using information presented in a line graph (Y5)</p> <p>WALT: Interpret and construct pie charts and line graphs and use these to solve problems (Y6)</p> | <p><u>Ratio</u></p> <p>WALT: Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts (Y6)</p> <p>WALT: Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. (Y6)</p> <p>WALT: Solve problems involving similar shapes where the scale factor is known or can be found (Y6)</p> <p>6AS/MD-3 Solve problems involving ratio relationships.</p> | <p><u>Mixed Number and FDP consolidation</u></p> <p>WALT: Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why (Y6)</p> <p>WALT: Solve problems involving addition, subtraction, multiplication and division (Y6)</p> <p>WALT: Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts (Y6)</p> | <p><u>Algebra</u></p> <p>WALT: Express missing number problems algebraically</p> <p>WALT: Find pairs of numbers that satisfy an equation with two unknowns</p> <p>6AS/MD-4 Solve problems with 2 unknowns.</p> | <p>France Residential</p> |

| Wk1 | Wk2 | Wk3 | Wk4 | Wk5 | Wk6 |
|--|--|--|-------------------------|--|---|
| <p>Algebra</p> <p>WALT: Generate and describe linear number sequences</p> <p>WALT: Express missing number problems algebraically</p> <p>WALT: Find pairs of numbers that satisfy an equation with two unknowns</p> <p>6AS/MD-4 Solve problems with 2 unknowns.</p> | <p>Mixed SATS revision</p> <p><u>WALT:</u> Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts (Y6)</p> <p>WALT: Recognise when it is possible to use formulae for area of shapes (Y6)</p> <p>WALT: Calculate the area of parallelograms and triangles (Y6)</p> | <p>Mixed SATS revision-</p> <p>Range of objectives linked to Year 5/6 curriculum.</p> | <p>SATS Week</p> | <p>Statistics- Geography Link</p> <p><u>WALT: Interpret and construct pie charts and line graphs and use these to solve problems (Y6)</u></p> <p>Cross-curricular maths with Geography- Drawing and interpreting statistics</p> | <p>Ratio</p> <p>WALT: Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts (Y6)</p> <p>WALT: Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. (Y6)</p> <p>WALT: Solve problems involving similar shapes where the scale factor is known or can be found (Y6)</p> <p>6AS/MD-3 Solve problems involving ratio relationships.</p> |

| Wk1 | Wk2 | Wk3 | Wk4 | Wk5 | Wk6 | Wk7 |
|---|--|--|---|--|-------------------------------------|-------------------------------------|
| <p>Ratio</p> <p>WALT: Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts (Y6)</p> <p>WALT: Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. (Y6)</p> <p>WALT: Solve problems involving similar shapes where the scale factor is known or can be found (Y6)</p> <p>6AS/MD-3 Solve problems involving ratio relationships.</p> | <p>Algebra</p> <p>WALT: Find pairs of numbers that satisfy an equation with two unknowns</p> <p>6AS/MD-4 Solve problems with 2 unknowns.</p> | <p>Number- Problem Solving</p> <p><u>WALT:</u> Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why (Y6)</p> <p><u>WALT:</u> Solve problems involving addition, subtraction, multiplication and division (Y6)</p> | <p>Geometry Problem Solving</p> <p>WALT: Identify 3-D shapes, including cubes and other cuboids, from 2-D representations (Y5)</p> <p>6G-1 Draw, compose, and decompose shapes according to given properties, including dimensions, angles, and area, and solve related problems.</p> | <p>Geometry Problem Solving</p> <p>6G-1 Draw, compose, and decompose shapes according to given properties, including dimensions, angles, and area, and solve related problems.</p> | <p>Mixed problem solving</p> | <p>Mixed problem solving</p> |