

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7
Team building tasks	<p><b>Number: Number and place value</b></p> <p>Y6- WALT- Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit</p> <p><b>6NPV-2</b> 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><b>Number: Number and place value</b></p> <p>Y6 WALT- Order and compare numbers to 10,000,000</p> <p>WALT: Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.</p> <p>Y6- WALT: Round any whole number to a required degree of accuracy.</p> <p><b>6NPV-3</b> 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><b>Y5 RAG July 21</b> <b>5NPV-2</b> 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><b>Number: Number and place value</b></p> <p>Y6- WALT: Use negative numbers in context, and calculate intervals across zero</p> <p>WALT: Identify numbers accurately on a number line</p> <p><b>6NPV-3</b> 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><b>6NPV-4</b> 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><b>Y5 RAG July 21</b> <b>5NPV-3</b> 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. <b>5NPV-4</b> 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><b>Number: Addition and Subtraction</b></p> <p><b>Y6-</b> <b>WALT:</b> Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</p> <p><b>Y5-</b> Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)</p> <p><b>Y5-</b> Add and subtract numbers mentally with increasingly large numbers</p>	<p><b>Assessment Week</b></p> <p>WALT: Identify common factors, common multiples and prime numbers</p> <p>3 X Assessments</p> <p><b>Y5 RAG July 21</b> <b>5MD-2</b> 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><b>Number: Multiplication</b></p> <p>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>WALT: Multiply one-digit numbers with up to two decimal places by whole numbers</p> <p><b>Y5 RAG July 21</b> <b>5MD-3</b> Multiply any whole number with up to 4 digits by any one-digit number using a formal written method.</p>

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7
<p>Number: Division</p> <p>Y5- 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>Y6- 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>Number: Fractions</p> <p>WALT: Use common factors to simplify fractions; use common multiples to express fractions in the same denomination</p> <p>WALT: Compare and order fractions, including fractions &gt; 1</p> <p><b>6F-1</b> Recognise when fractions can be simplified, and use common factors to simplify fractions.</p>	<p>Number: Fractions</p> <p>WALT: Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</p> <p>WALT: Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, <math>\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}</math>]</p>	<p><b>Number: Decimals</b></p> <p>Y5- WALT: Read and write decimal numbers as fractions [for example, <math>0.71 = \frac{71}{100}</math>]</p> <p>Y5- WALT: Solve problems which require knowing percentage and decimal equivalents of <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math>, <math>\frac{2}{5}</math>, <math>\frac{4}{5}</math> and those fractions with a denominator of a multiple of 10 or 25</p>	<p><b>Assessment Week</b></p>	<p>Review assessment papers and plan lessons accordingly.</p>	<p><b>Geometry: Christmas activities</b></p> <p>6G-1 Draw, compose, and decompose shapes according to given properties, including dimensions, angles and area, and solve related problems.</p>

<p><b>Y5 RAG rating July 21</b>  <b>5MD-4</b> 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><b>6F-3</b> 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><b>Y5 RAG rating July 21</b>  <b>5F-2</b> Find equivalent fractions and understand that they have the same value and the same position in the linear number system.</p>		<p><b>Y5 RAG rating July 21</b>  <b>5F-3</b> Recall decimal fraction equivalents for <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math> and <math>\frac{1}{10}</math>, and for multiples of these proper fractions.</p>			
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**Autumn starters:**

Multiplication and division facts (Multiplication and corresponding division facts up to  $12 \times 12$ )  
Multiply and divide numbers mentally, drawing upon known fact.  
Identify common factors, common multiples and prime numbers.  
Fluent in 5

**Spring term 2022**

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7
<p><b>Mixed</b></p> <p>WALT: Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.</p> <p><b>RAG from Y5:</b>  <b>5MD-2</b> 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>WALT: Compare and order fractions, including fractions <math>&gt; 1</math></p> <p><b>6F-2</b> Express fractions in a common denominator and use this to compare fractions that are similar in value.</p> <p><b>6F-3</b> 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 WALT: Read roman numerals to 1000 (m) and recognise years written in roman numerals.</p> <p>WALT: Add and Subtract Decimals</p>	<p><b>Length and Perimeter</b></p> <p>Y5 WALT: Convert between different units of metric measure (link to multiplying and dividing by 10, 100 and 1000)</p> <p><b>RAG from Y5:</b>  <b>5MD-1</b> 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>Y5 WALT: Use all four operations to solve problems involving measure</p> <p>WALT: Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres</p> <p>Y5 WALT: Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers</p> <p>Y5 WALT: Recognise and use square numbers and cube numbers, and the notation for squared (<math>^2</math>) and cubed (<math>^3</math>)</p>	<p><b>Time</b></p> <p>Y4 WALT: Read, write and convert time between analogue and digital 12- and 24-hour clocks</p> <p>Y5 WALT: Solve problems involving converting between units of time</p> <p><b>Shape:</b>  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</p>	<p><b>Ratio</b></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</p> <p>WALT: Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.</p> <p>WALT: Solve problems involving similar shapes where the scale factor is known or can be found</p> <p><b>6AS/MD-3</b> Solve problems involving ratio relationships.</p> <p><b>Coordinates</b>  WALT: Describe positions on a 2-d grid as coordinates in the first quadrant</p>	<p><b>Mixed Recap and Revision</b></p> <p>Y5 WALT: Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.</p> <p>Y5 WALT: Multiply proper fractions and mixed numbers by whole numbers</p> <p>WALT: Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication</p> <p>WALT: Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division</p> <p><b>Coordinates</b>  Y5 WALT: Translate simple shapes on the coordinate plane</p>	<p>Revision of fractions, decimals and percentages</p> <p><b>RAG from Y5:</b>  <b>5F-3</b> Recall decimal fraction equivalents for <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math> and <math>\frac{1}{10}</math>, and for multiples of these proper fractions.</p> <p>Assessment Week</p>	<p><b>3D Shape</b>  WALT: Recognise, describe and build simple 3-D shapes, including making nets</p> <p><b>Mean</b>  WALT: Calculate and interpret the mean as an average.</p>

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6
<p><b>Area and Volume</b></p> <p>Y5 WALT: Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm<sup>2</sup>) and square metres (m<sup>2</sup>) and estimate the area of irregular shapes</p> <p><b>RAG from Y5</b>  <b>5G-2 Compare areas and calculate the area of rectangles (including squares) using standard units.</b></p> <p>WALT: Recognise when it is possible to use formulae for area and volume of shapes</p> <p>WALT: Calculate the area of parallelograms and triangles</p> <p>WALT: Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm<sup>3</sup>) and cubic metres (m<sup>3</sup>), and extending to other units [for example, mm<sup>3</sup> and km<sup>3</sup>].</p>	<p><b>Algebra</b></p> <p>WALT: Use simple formulae</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><b>6AS/MD-4 Solve problems with 2 unknowns.</b></p>	<p><b>Continue algebra if necessary</b></p> <p><b>Statistics</b></p> <p>WALT: Interpret and construct pie charts and line graphs and use these to solve problems</p>	<p>Recap and Revision in preparation for assessment week</p> <p>- Interpret remainders ?</p> <p>- Multi-step problems?</p>	<p><b>Assessment Week</b></p>	<p>Review assessment papers and teach misconceptions</p>

<p>Wk1</p> <p>SATS revision</p> <p>(Mixed reasoning revision)</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</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>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>Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)</p>	<p>Wk2</p> <p>SATS revision</p> <p>(Mixed reasoning revision)</p>	<p>Wk3</p> <p><b>SATS Week</b></p>	<p>Wk4</p> <p>Robinwood</p> <p>Two maths lessons- to be decided following SATs week</p>	<p>Wk5</p> <p>WAL: Solve number and practical problems</p>
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<p>Wk1</p> <p><b>Four operations</b></p> <p>Solve problems involving addition, subtraction, multiplication and division</p>	<p>Wk2</p> <p><b>Measure problems</b></p> <p>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate</p>	<p>Wk3</p> <p><b>Ration and Proportion problem solving</b></p> <p>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts. Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison</p> <p>6AS/MD-3 Solve problems involving ratio relationships.</p>	<p>Wk4</p> <p><b>Geometry Problem Solving</b></p> <p>6G-1 Draw, compose, and decompose shapes according to given properties, including dimensions, angles, and area, and solve related problems.</p>	<p>Wk5</p> <p><b>Algebra</b></p> <p>6AS/MD-4 Solve problems with 2 unknowns.</p> <p>Cross curricular maths with Geography- Drawing and interpreting statistics</p>	<p>Week 6</p> <p><b>Place Value</b></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>Week 7</p> <p><b>Mixed problem solving</b></p>
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