

Year 5

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

Autumn starters:

Key skills (document)

4NF-1 Recall multiplication and division facts up to and recognise products in multiplication tables as multiples of the corresponding number

5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.

4NPV-4 Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts.

4NPV-3 Reason about the location of any four-digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.

Autumn term 2022

Wk1 – 3 days - Half Termly X Table test (gold)	Wk2	Wk3 – Bank Holiday – Queen's Funeral	Wk4	Wk5	Wk6 – Barn Inspire (Tues)	Wk7 – Tawny Inspire (Tues)
<p>Number and Place Value Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</p> <p>WALT: recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) (Y4)</p> <p>WALT: Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit.</p> <p>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p>Y4 RAG July 22:</p> <p>4NPV-1 Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100.</p> <p>4NPV-2 Recognise the place value of each digit in four-digit numbers and compose and decompose four-digit numbers using standard and non-standard partitioning</p>	<p>Number: Number and place value Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</p> <p>WALT: Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit.</p> <p>WALT: Solve number problems and practical problems using place value.</p> <p>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p>Y4 RAG July 22:</p> <p>4NPV-1 Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100.</p> <p>4NPV-2 Recognise the place value of each digit in four-digit numbers and compose and decompose four-digit numbers using standard and non-standard partitioning</p>	<p>Number: Number and place value Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</p> <p>WALT: Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000</p> <p>WALT: Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit.</p> <p>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p>Y4 RAG July 22:</p> <p>4NPV-2 Recognise the place value of each digit in four-digit numbers and compose and decompose four-digit numbers using standard and non-standard partitioning.</p> <p>4NPV-3 Reason about the location of any four-digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.</p>	<p>Number: Number and place value Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</p> <p>WALT: Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit.</p> <p>WALT: Round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000.</p> <p>WALT: Solve number problems and practical problems using place value.</p> <p>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p>Y4 RAG July 22:</p> <p>4NPV-3 Reason about the location of any four-digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.</p>	<p>Number: Number and place value Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</p> <p>WALT: Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit.</p> <p>WALT: Round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000.</p> <p>WALT: Solve number problems and practical problems using place value.</p> <p>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p>Y4 RAG July 22:</p> <p>4NPV-3 Reason about the location of any four-digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.</p>	<p>Number: Number and place value Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</p> <p>WALT: Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.</p> <p>WALT: Read Roman Numerals to 1000 (m) and recognise years written in Roman Numerals.</p> <p>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p>Y4 RAG July 22:</p> <p>4NPV-4 Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts.</p> <p>Y4 - Read Roman Numerals to 100 (l to c) and know that over time, the numeral system changed to include the concept of zero and place value</p>	<p>Number: Number and place value Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</p> <p>WALT: Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.</p> <p>WALT: Read Roman Numerals to 1000 (m) and recognise years written in Roman Numerals.</p> <p>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p>Y4 RAG July 22:</p> <p>4NPV-4 Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts.</p> <p>Y4 - Read Roman Numerals to 100 (l to c) and know that over time, the numeral system changed to include the concept of zero and place value</p>

Wk1	Wk2 Police PCSO sessions	Wk3	Wk4	Wk5 – Year 5 Theatre Visit (Thurs)	Wk6	Wk7 – Inset Day (Fri) - Pantomime - Christmas Party
<p>Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</p> <p>WALT: Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)</p> <p>WALT: Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p> <p>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table</p>	<p>Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</p> <p>WALT: Add and subtract numbers mentally with increasingly large numbers</p> <p>WALT: Use rounding to check answers to calculations and determine, in context of a problem, levels of accuracy</p> <p>WALT: Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p> <p>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table</p>	<p>Assessment week</p> <p>Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</p> <p>Revision</p>	<p>Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</p> <p>WALT: Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers</p> <p>WALT: Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers</p> <p>WALT: Establish whether a number up to 100 is prime and recall prime numbers up to 19</p> <p>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table facts, and</p>	<p>Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</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>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p>Y4 RAG July 22:</p>	<p>Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</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 and divide numbers mentally drawing upon known facts</p> <p>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table</p>	<p>Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</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 and divide numbers mentally drawing upon known facts</p> <p>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table</p>

<p>facts, and corresponding division facts, through continued practice.</p> <p>Y4 RAG July 22:</p> <p>(Y4) Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate</p> <p>(Y4) Estimate and use inverse operations to check answers to a calculation</p> <p>(Y4) Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p>	<p>facts, and corresponding division facts, through continued practice.</p> <p>Y4 RAG July 22:</p> <p>4NF-1 Recall multiplication and division facts up to and recognise products in multiplication tables as multiples of the corresponding number.</p> <p>4MD-2 Manipulate multiplication and division equations and understand and apply the commutative property of multiplication.</p> <p>(Y4) Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p>		<p>corresponding division facts, through continued practice.</p> <p>Y4 RAG July 22:</p> <p>4NF-1 Recall multiplication and division facts up to and recognise products in multiplication tables as multiples of the corresponding number.</p> <p>4MD-2 Manipulate multiplication and division equations and understand and apply the commutative property of multiplication.</p> <p>4MD-3 Understand and apply the distributive property of multiplication.</p> <p>(Y4) Recognise and use factor pairs and commutativity in mental calculations</p>	<p>4NF-1 Recall multiplication and division facts up to and recognise products in multiplication tables as multiples of the corresponding number.</p> <p>4MD-2 Manipulate multiplication and division equations and understand and apply the commutative property of multiplication.</p> <p>4MD-3 Understand and apply the distributive property of multiplication.</p> <p>(Y4) Multiply two-digit and three-digit numbers by a one-digit number using formal written layout</p>	<p>WEEKLY ARITHMETIC TEST - 5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p>Y4 RAG July 22:</p> <p>4NF-1 Recall multiplication and division facts up to and recognise products in multiplication tables as multiples of the corresponding number.</p> <p>4MD-2 Manipulate multiplication and division equations and understand and apply the commutative property of multiplication.</p> <p>4MD-3 Understand and apply the distributive property of multiplication.</p> <p>(Y4) Multiply two-digit and three-digit numbers by a one-digit number using formal written layout</p> <p>(Y4) 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.</p>	<p>facts, and corresponding division facts, through continued practice.</p> <p>Y4 RAG July 22:</p> <p>4NF-1 Recall multiplication and division facts up to and recognise products in multiplication tables as multiples of the corresponding number.</p> <p>4MD-2 Manipulate multiplication and division equations and understand and apply the commutative property of multiplication.</p> <p>4MD-3 Understand and apply the distributive property of multiplication.</p> <p>(Y4) Multiply two-digit and three-digit numbers by a one-digit number using formal written layout</p> <p>(Y4) 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.</p>
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Spring term 2023

<p>Wk1 - Inset Day</p> <p>Arithmetic focus, stamina and technique (one-minute mental maths)</p> <p>WALT: Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers (recap)</p> <p>WALT: Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers</p> <p>WALT: Establish whether a number up to 100 is prime and recall prime numbers up to 19</p> <p>Y4 RAG July 22:</p> <p>Recognise and use factor pairs and commutativity in mental calculations</p>	<p>Wk2</p> <p>Arithmetic focus, stamina and technique (one-minute mental maths)</p> <p>WALT: Multiply two-digit and three-digit numbers by a one-digit number using formal written layout (Y4)</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 (Y5)</p> <p>WALT: Solve problems involving multiplication and division including using their knowledge of factors and multiples</p> <p>Y4 RAG July 22:</p> <p>4MD-1 Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size.</p>	<p>Wk3</p> <p>Arithmetic focus, stamina and technique (one-minute mental maths)</p> <p>WALT: Multiply and divide numbers mentally, drawing upon known facts</p> <p>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>WALT: Solve problems involving multiplication and division including using their knowledge of factors and multiples</p> <p>Y4 RAG July 22:</p> <p>4MD-1 Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to</p>	<p>Wk4</p> <p>Arithmetic focus, stamina and technique (one-minute mental maths)</p> <p>WALT: Recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³)</p> <p>WALT: Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes</p> <p>WALT: Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths</p> <p>WALT: Compare and order fractions whose denominators are all multiples of the same number</p> <p>Y4 RAG July 22:</p>	<p>Wk5 - Bike Ability</p> <p>Arithmetic focus, stamina and technique (one-minute mental maths)</p> <p>WALT: Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$]</p> <p>WALT: Add and subtract fractions with the same denominator and denominators that are multiples of the same number</p> <p>Y4 RAG July 22:</p> <p>4F-1 Reason about the location of mixed numbers in the linear number system</p> <p>4F-2 Convert mixed numbers to improper fractions and vice versa.</p>	<p>Wk6 - Bike Ability</p> <p>Arithmetic focus, stamina and technique (one-minute mental maths)</p> <p>Discreet Arithmetic</p> <p>WALT: Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams</p> <p>Y4 RAG July 22:</p> <p>4F-1 Reason about the location of mixed numbers in the linear number system</p> <p>4F-2 Convert mixed numbers to improper fractions and vice versa.</p> <p>4F-3 Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers.</p> <p>Recognise and show, using diagrams, families of common equivalent fractions</p>
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	<p>4MD-2 Manipulate multiplication and division equations and understand and apply the commutative property of multiplication.</p> <p>4MD-3 Understand and apply the distributive property of multiplication.</p> <p>Multiply two-digit and three-digit numbers by a one-digit number using formal written layout</p>	<p>making a number 10 or 100 times the size.</p> <p>4MD-2 Manipulate multiplication and division equations and understand and apply the commutative property of multiplication.</p> <p>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</p>	<p>4F-1 Reason about the location of mixed numbers in the linear number system.</p> <p>4F-2 Convert mixed numbers to improper fractions and vice versa.</p> <p>4F-3 Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers.</p> <p>Recognise and show, using diagrams, families of common equivalent fractions</p> <p>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p> <p>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</p> <p>Add and subtract fractions with the same denominator</p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths</p>	<p>4F-3 Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers.</p> <p>Recognise and show, using diagrams, families of common equivalent fractions</p> <p>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p> <p>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</p> <p>Add and subtract fractions with the same denominator</p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths</p>	<p>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p> <p>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</p> <p>Add and subtract fractions with the same denominator</p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths</p>
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Wk1	Wk2 – Robinwood	Wk3	Wk4 – Assessment (Friday)	Wk5 – Assessment Week	Wk6
<p>Arithmetic focus, stamina and technique (one-minute mental maths)</p> <p>WALT: Read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$]</p> <p>WALT: Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents</p> <p>WALT: Read, write, order and compare numbers with up to three decimal places</p> <p>Y4 RAG July 22:</p> <p>4F-1 Reason about the location of mixed numbers in the linear number system.</p> <p>4F-2 Convert mixed numbers to improper fractions and vice versa.</p> <p>4F-3 Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers.</p> <p>Recognise and write decimal equivalents to $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}$</p>	<p>Arithmetic focus, stamina and technique (one-minute mental maths)</p> <p>Discreet Arithmetic</p> <p>WALT: Round decimals with two decimal places to the nearest whole number and to one decimal place</p> <p>WALT: Solve problems involving number up to three decimal places</p> <p>Y4 RAG July 22:</p> <p>4F-1 Reason about the location of mixed numbers in the linear number system.</p> <p>4F-2 Convert mixed numbers to improper fractions and vice versa.</p> <p>4F-3 Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers.</p> <p>Round decimals with one decimal place to the nearest whole number</p>	<p>Arithmetic focus, stamina and technique (one-minute mental maths)</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</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</p> <p>Y4 RAG July 22:</p> <p>4F-1 Reason about the location of mixed numbers in the linear number system.</p> <p>4F-2 Convert mixed numbers to improper fractions and vice versa.</p> <p>4F-3 Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers.</p> <p>Recognise and write decimal equivalents to $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}$</p>	<p>Arithmetic focus, stamina and technique (one-minute mental maths)</p> <p>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>WALT: Complete a simple symmetric figure with respect to a specific line of symmetry (Year 4)</p> <p>Y4 RAG July 22:</p> <p>4G-1 Draw polygons, specified by coordinates in the first quadrant, and translate within the first quadrant.</p> <p>4G-2 Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal, and the angles are equal. Find the perimeter of regular and irregular polygons.</p> <p>4G-3 Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of symmetry and complete a symmetric figure or pattern with respect to a specified line of symmetry.</p>	<p>Arithmetic focus, stamina and technique (one-minute mental maths)</p> <p>WALT: Identify 3-D shapes, including cubes and other cuboids, from 2-D representations</p> <p>WALT: Read, write and convert time between analogue and digital 12- and 24-hour clocks (Year 4)</p> <p>Y4 RAG July 22:</p> <p>4G-1 Draw polygons, specified by coordinates in the first quadrant, and translate within the first quadrant.</p> <p>4G-2 Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal, and the angles are equal. Find the perimeter of regular and irregular polygons.</p> <p>4G-3 Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of symmetry and complete a symmetric figure or pattern with respect to a specified line of symmetry.</p> <p>Read, write and convert time between analogue and digital 12- and 24-hour clocks</p>	<p>Arithmetic focus, stamina and technique (one-minute mental maths)</p> <p>Discreet Arithmetic</p> <p>WALT: Solve problems involving converting between units of time</p> <p>Y4 RAG July 22:</p> <p>Read, write and convert time between analogue and digital 12- and 24-hour clocks</p>

<p>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</p> <p>Compare numbers with the same number of decimal places up to two decimal places</p>			<p>Describe movements between positions as translations of a given unit to the left/right and up/down</p>		
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Summer Term 2023

Wk1	Wk2	Wk3	Wk4	Wk5	Week 6

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7