

**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**

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| Wk1 - 3 days<br>- Half Termly X Table test (gold)   | Wk2   | Wk3 - Bank Holiday - Queen's Funeral   | Wk4   | Wk5   | Wk6 - Barn Inspire (Tues)  | Wk7 - Tawny Inspire (Tues)   |
| <p><b>Number and Place Value</b><br/>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><b>WEEKLY ARITHMETIC TEST - 5NF-1</b><br/>Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p><b>Y4 RAG July 22:</b></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><b>Number: Number and place value</b><br/>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><b>WEEKLY ARITHMETIC TEST - 5NF-1</b><br/>Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p><b>Y4 RAG July 22:</b></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><b>Number: Number and place value</b><br/>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><b>WEEKLY ARITHMETIC TEST - 5NF-1</b><br/>Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p><b>Y4 RAG July 22:</b></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><b>Number: Number and place value</b><br/>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><b>WEEKLY ARITHMETIC TEST - 5NF-1</b><br/>Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p><b>Y4 RAG July 22:</b></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><b>Number: Number and place value</b><br/>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><b>WEEKLY ARITHMETIC TEST - 5NF-1</b><br/>Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p><b>Y4 RAG July 22:</b></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><b>Number: Number and place value</b><br/>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><b>WEEKLY ARITHMETIC TEST - 5NF-1</b><br/>Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p><b>Y4 RAG July 22:</b></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><b>Number: Number and place value</b><br/>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><b>WEEKLY ARITHMETIC TEST - 5NF-1</b><br/>Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p><b>Y4 RAG July 22:</b></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> |

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| Wk1   | Wk2 Police PCSO sessions   | Wk3  | Wk4   | Wk5 - Year 5 Theatre Visit (Thurs)  | Wk6   | Wk7 - Inset Day (Fri)<br>- Pantomime<br>- Christmas Party   |
| <p><b>Number: Addition and subtraction</b><br/>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><b>Number: Addition and subtraction</b><br/>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><b>Assessment week</b></p> <p>Arithmetic focus, stamina and technique (Fluent in 5 and times table games)</p> <p>Revision</p> | <p><b>Number: Multiplication</b><br/>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><b>Number: Multiplication</b><br/>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><b>WEEKLY ARITHMETIC TEST - 5NF-1</b> Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p><b>Y4 RAG July 22:</b></p> | <p><b>Number: Multiplication</b><br/>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><b>Number: Multiplication</b><br/>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> |

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| <p><b>WEEKLY ARITHMETIC TEST - 5NF-1</b><br/>Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p><b>Y4 RAG July 22:</b></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><b>WEEKLY ARITHMETIC TEST - 5NF-1</b><br/>Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p><b>Y4 RAG July 22:</b></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><b>WEEKLY ARITHMETIC TEST - 5NF-1</b> Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p><b>Y4 RAG July 22:</b></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><b>WEEKLY ARITHMETIC TEST - 5NF-1</b> Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p><b>Y4 RAG July 22:</b></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><b>WEEKLY ARITHMETIC TEST - 5NF-1</b> Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p><b>Y4 RAG July 22:</b></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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