

### Year 3

#### National Curriculum objectives (Statutory)

#### Ready to progress statements (Non-statutory: guidance)

##### Autumn starters:

Key skills (document)

**2NF-1** Secure fluency in addition and subtraction facts within 10, through continued practice.

**2AS-1** Add and subtract across 10

**3NF-1** Secure fluency in addition and subtraction facts that bridge 10, through continued practice.

**3NF-3** Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10)

**3AS-1** Calculate complements to 100

Multiplication and division facts (2, 5, 10, 3, 4, 8 multiplication and corresponding division facts)

**3NF-2** Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.

##### Autumn term 2022

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7
<p><b>Number and place value (Y2) – 2-digits</b></p> <ul style="list-style-type: none"> <li>Place value in two-digit numbers</li> <li>Identify, represent using different representations</li> </ul> <p><b>2NPV-1</b> Recognise the place value of each digit in two-digit numbers, and compose and decompose two-digit numbers using standard and non-standard partitioning.</p>	<p><b>Number and place value (Y2) – 2-digits</b></p> <ul style="list-style-type: none"> <li>Place value in two-digit numbers</li> <li>Identify, represent using different representations</li> </ul> <p><b>2NPV-1</b> Recognise the place value of each digit in two-digit numbers, and compose and decompose two-digit numbers using standard and non-standard partitioning.</p>	<p><b>Number and place value (Y2) – 2-digits</b></p> <ul style="list-style-type: none"> <li>Place value in two-digit numbers</li> <li>Identify, represent using different representations</li> </ul> <p><b>2NPV-1</b> Recognise the place value of each digit in two-digit numbers, and compose and decompose two-digit numbers using standard and non-standard partitioning.</p> <p><b>2NPV-2</b> Reason about the location of any two-digit number in the linear number system, including identifying the previous and next multiple of 10.</p>	<p><b>Number and place value (Y3) – 3 digits</b></p> <ul style="list-style-type: none"> <li>Place value in three-digit numbers (standard partitioning)</li> <li>Identify, represent using different representations</li> </ul> <p><b>3NPV-1</b> Know that 10 tens are equivalent to 1 hundred, and that 100 is 10 times the size of 10; apply this to identify and work out how many 10s there are in other three-digit multiples of 10.</p> <p><b>3NPV-2</b> Recognise the place value of each digit in three-digit numbers, and compose and decompose three-digit numbers using standard and non-standard partitioning.</p>	<p><b>Assessment week (KS1 SAT 2019)</b></p>	<p><b>Number and place value (Y3) – 3 digits</b></p> <ul style="list-style-type: none"> <li>Place value in three-digit numbers (non-standard partitioning)</li> <li>Identify, represent using different representations</li> </ul> <p><b>3NPV-1</b> Know that 10 tens are equivalent to 1 hundred, and that 100 is 10 times the size of 10; apply this to identify and work out how many 10s there are in other three-digit multiples of 10.</p> <p><b>3NPV-2</b> Recognise the place value of each digit in three-digit numbers, and compose and decompose three-digit numbers using standard and non-standard partitioning.</p>	<p><b>Number and place value (Y3) – 3 digits</b></p> <ul style="list-style-type: none"> <li>Place value in three-digit numbers (non-standard partitioning)</li> <li>Identify, represent using different representations</li> </ul> <p><b>3NPV-1</b> Know that 10 tens are equivalent to 1 hundred, and that 100 is 10 times the size of 10; apply this to identify and work out how many 10s there are in other three-digit multiples of 10.</p> <p><b>3NPV-2</b> Recognise the place value of each digit in three-digit numbers, and compose and decompose three-digit numbers using standard and non-standard partitioning.</p>

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<p><b>Addition - 3-digits</b></p> <ul style="list-style-type: none"> <li>Add three digits numbers and ones, tens and hundreds</li> <li>1, 10 and 100 more and multiples of; partitioning and recombining mentally;</li> </ul> <p><b>3AS-3</b> Manipulate the additive relationship: Understand how both relate to the part-part-whole structure. Understand and use the commutative property of addition.</p>	<p><b>Addition - 3-digits</b></p> <ul style="list-style-type: none"> <li>Add three digits numbers and ones, tens and hundreds</li> <li>rounding and adjusting</li> </ul> <p><b>3AS-3</b> Manipulate the additive relationship: Understand how both relate to the part-part-whole structure. Understand and use the commutative property of addition.</p>	<p><b>Subtraction - 3-digits</b></p> <ul style="list-style-type: none"> <li>Subtract three digits numbers and ones, tens and hundreds</li> <li>1, 10 and 100 less and multiples of; partitioning and recombining mentally;</li> </ul> <p><b>3AS-3</b> : Understand and use the commutative property of addition and understand the related property for subtraction.</p>	<p><b>Assessment Week</b></p>	<p><b>Subtraction - 3-digits</b></p> <ul style="list-style-type: none"> <li>Subtract three digits numbers and ones, tens and hundreds</li> <li>rounding and adjusting</li> </ul> <p><b>3AS-3</b> : Understand and use the commutative property of addition and understand the related property for subtraction.</p>	<p><b>Geometry – Properties of shape</b></p> <ul style="list-style-type: none"> <li>Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them</li> <li>Measure the perimeter of simple 2-d shapes</li> </ul> <p><b>3G-2</b> Draw polygons by joining marked points</p>	<p><b>Geometry – Properties of shape</b></p> <ul style="list-style-type: none"> <li>Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them</li> <li>Measure the perimeter of simple 2-d shapes</li> </ul> <p><b>3G-2</b> Draw polygons by joining marked points</p>

**Spring Term**

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**2NF-1** Secure fluency in addition and subtraction facts within 10, through continued practice.

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Multiplication and division facts (2, 5, 10, 3, 4, 8 multiplication and corresponding division facts)

**3NF-2** Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6
<p><b>Number – Multiplication</b></p> <ul style="list-style-type: none"> <li>Recall and use multiplication facts for the 3, 4 and 8 multiplication tables.</li> <li>Arrays</li> </ul> <p><b>3MD-1</b> Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division.</p> <p><b>3NF-2</b> Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.</p>	<p><b>Number – Division</b></p> <ul style="list-style-type: none"> <li>Recall and use division facts for the 3, 4 and 8 multiplication tables.</li> <li>Solve problems, including missing number problems, involving multiplication and division.</li> <li>Arrays</li> <li>Inverse</li> </ul> <p><b>3MD-1</b> Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division.</p> <p><b>3NF-2</b> Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.</p>	<p><b>Number – Formal methods of multiplication</b></p> <ul style="list-style-type: none"> <li>Write and calculate mathematical statements for two-digit numbers times one-digit numbers, using a formal written method.</li> <li>Grid Method</li> </ul> <p><b>3MD-1</b> Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division.</p> <p><b>3NF-2</b> Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.</p>	<p><b>Number – Formal methods of multiplication</b></p> <ul style="list-style-type: none"> <li>Solve positive integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objects.</li> <li>Grid Method and place value</li> </ul> <p><b>3MD-1</b> Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division.</p> <p><b>3NF-2</b> Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.</p> <p><b>3MD-1</b> Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division.</p>	<p><b>Measurement</b></p> <p>Measure, compare, add and subtract: lengths (m/cm/mm)</p>	<p><b>Measurement</b></p> <ul style="list-style-type: none"> <li>Measure, compare, add and subtract: mass (kg/g)</li> </ul> <p>Measure, compare, add and subtract: volume/capacity (l/ml)</p>

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6
<p><b>Number – Fractions</b></p> <ul style="list-style-type: none"> <li>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</li> <li>Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</li> </ul> <p><b>3F-1</b> Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts.</p>	<p><b>Number – Fractions</b></p> <ul style="list-style-type: none"> <li>Compare and order unit fractions, and fractions with the same denominators.</li> <li>Add and subtract fractions with the same denominator within one whole.</li> </ul> <p><b>3F-3</b> Reason about the location of any fraction within 1 in the linear number system.</p> <p><b>3F-4</b> Add and subtract fractions with the same denominator, within 1.</p>	<p><b>Number – Fractions</b></p> <ul style="list-style-type: none"> <li>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</li> <li>Fractions of amounts</li> </ul> <p><b>3F-2</b> Find unit fractions of quantities using known division facts (multiplication tables fluency).</p>	<p><b>Assessment Week</b></p>	<p><b>Number – Fractions</b></p> <ul style="list-style-type: none"> <li>Recognise and show, using diagrams, equivalent fractions with small denominators.</li> </ul> <p>Solve problems that involve fractions.</p>	<p><b>Measurement – Time</b></p> <p>Know the number of seconds in a minute and the number of days in each month, year and leap year.</p> <ul style="list-style-type: none"> <li>Estimate and read time with increasing accuracy minutes and hours; use vocabulary such as o'clock, morning, afternoon, noon and midnight.</li> <li>Analogue</li> </ul> <p>O'clock, half past, quarter past/quarter to and intervals of 5</p>