

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>Number and place value (Y2) – 2-digits</p> <ul style="list-style-type: none"> Place value in two-digit numbers Identify, represent using different representations <p>2NPV-1 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>Number and place value (Y2) – 2-digits</p> <ul style="list-style-type: none"> Place value in two-digit numbers Identify, represent using different representations <p>2NPV-1 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>Number and place value (Y2) – 2-digits</p> <ul style="list-style-type: none"> Place value in two-digit numbers Identify, represent using different representations <p>2NPV-1 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>2NPV-2 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>Number and place value (Y3) – 3 digits</p> <ul style="list-style-type: none"> Place value in three-digit numbers (standard partitioning) Identify, represent using different representations <p>3NPV-1 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>3NPV-2 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>Assessment week (KS1 SAT 2019)</p>	<p>Number and place value (Y3) – 3 digits</p> <ul style="list-style-type: none"> Place value in three-digit numbers (non-standard partitioning) Identify, represent using different representations <p>3NPV-1 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>3NPV-2 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>Number and place value (Y3) – 3 digits</p> <ul style="list-style-type: none"> Place value in three-digit numbers (non-standard partitioning) Identify, represent using different representations <p>3NPV-1 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>3NPV-2 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>

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7
<p>Addition - 3-digits</p> <ul style="list-style-type: none"> Add three digits numbers and ones, tens and hundreds 1, 10 and 100 more and multiples of; partitioning and recombining mentally; <p>3AS-3 Manipulate the additive relationship: Understand how both relate to the part-part-whole structure. Understand and use the commutative property of addition.</p>	<p>Addition - 3-digits</p> <ul style="list-style-type: none"> Add three digits numbers and ones, tens and hundreds rounding and adjusting <p>3AS-3 Manipulate the additive relationship: Understand how both relate to the part-part-whole structure. Understand and use the commutative property of addition.</p>	<p>Subtraction - 3-digits</p> <ul style="list-style-type: none"> Subtract three digits numbers and ones, tens and hundreds 1, 10 and 100 less and multiples of; partitioning and recombining mentally; <p>3AS-3 : Understand and use the commutative property of addition and understand the related property for subtraction.</p>	<p>Assessment Week</p>	<p>Subtraction - 3-digits</p> <ul style="list-style-type: none"> Subtract three digits numbers and ones, tens and hundreds rounding and adjusting <p>3AS-3 : Understand and use the commutative property of addition and understand the related property for subtraction.</p>	<p>Geometry – Properties of shape</p> <ul style="list-style-type: none"> Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them Measure the perimeter of simple 2-d shapes <p>3G-2 Draw polygons by joining marked points</p>	<p>Geometry – Properties of shape</p> <ul style="list-style-type: none"> Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them Measure the perimeter of simple 2-d shapes <p>3G-2 Draw polygons by joining marked points</p>

Spring Term

Spring 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.

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

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

Summer Term

Summer 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.

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6
<p>Number - Multiplication</p> <ul style="list-style-type: none"> Solve problems, including missing number problems, involving multiplication, including positive integer problems and correspondence problems in which n objects are connected to m objects. Scaling by integers (for example, a given quantity or measure is twice as long or 5 times as high) Commutativity and associativity. <p>2AS-2 Recognise the subtraction structure of 'difference' and answer questions of the form "How many more?"</p> <p>3NF-2 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10).</p>	<p>Number - Division</p> <ul style="list-style-type: none"> Write and calculate mathematical statements for division using the multiplication tables that they know. Solve problems, including missing number problems, involving multiplication, including positive integer problems and correspondence problems in which n objects are connected to m objects. Arrays to show remainders. <p>2MD-2 Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor, and to division equations (quotative division).</p> <p>3DM-1 Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division.</p>	<p>Geometry - Properties of Shape</p> <ul style="list-style-type: none"> Recognise angles as a property of a shape. Identify whether angles are greater than or less than a right angle. Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. Recognise and describe 2D and 3D shapes. <p>2G-1 Use precise language to describe the properties of 2D and 3D shapes and compare shapes by reasoning about similarities and differences in properties.</p> <p>3G-1 Recognise right angles as a property of shape and identify right angles in 2D shapes presented in different orientations.</p>	<p>Statistics</p> <ul style="list-style-type: none"> Interpret data using bar charts, pictograms and tables. Solve one step and two step questions (how many more? How many fewer?) <ul style="list-style-type: none"> Simple scales (for example, 2, 5, 10 units per cm) <p>3NPV-4 Divide 100 into 2, 4, 5 and 10 equal parts and read scales/number lines marked in multiples of 100 with 2, 4, 5, and 10 equal parts.</p>	<p>Number - Addition</p> <ul style="list-style-type: none"> Add numbers with up to three digits, using formal written methods of columnar addition. Estimate the answer to a calculation and use the inverse operations to check answers. Solve problems, including missing number problems, using number facts, place value and more complex addition. <ul style="list-style-type: none"> Add 2 and 3-digit numbers. Column addition with exchanges. <p>3AS-2 Add and subtract up to three digit numbers using columnar methods.</p>	<p>Number - Subtraction</p> <ul style="list-style-type: none"> Subtract numbers with up to three digits, using formal written methods of columnar subtraction. Estimate the answer to a calculation and use the inverse operations to check answers. Solve problems, including missing number problems, using number facts, place value and more complex subtraction. <ul style="list-style-type: none"> Subtract 2 and 3-digit numbers. Column subtraction with exchanges. <p>3AS-2 Add and subtract up to three digit numbers using columnar methods.</p>

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7
<p>Measures - Money</p> <ul style="list-style-type: none"> Add and subtract amounts of money to give change, using both £ and p in practical contexts. Convert pence and pounds 	<p>Measures - Money</p> <ul style="list-style-type: none"> Add and subtract amounts of money to give change, using both £ and p in practical contexts. Give change 	<p>Consolidation - Number</p> <ul style="list-style-type: none"> Compare and order numbers up to 1000. Identify, represent and estimate numbers using different representations. Read and write numbers up to 1000 in numerals and words. Solve problems and practical problems involving these. Estimate on a number line to 1,000. 	<p>Assessment Week</p>	<p>Measures - Time</p> <ul style="list-style-type: none"> Tell and write the time from an analogue clock, using Roman numerals from I to XII and 12-hour and 24-hour clocks. Compare durations of events. Finding and comparing duration. 	<p>Geometry - Properties of Shape</p> <ul style="list-style-type: none"> Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them. Pupils connect decimals and rounding to drawing and measuring straight lines in centimetres, in a variety of contexts. 	<p>Statistics</p> <ul style="list-style-type: none"> Interpret and present data using bar charts, pictograms and tables. Simple scales (for example, 2, 5, 10 units per cm) <p>3NPV-4 Divide 100 into 2, 4, 5 and 10 equal parts and read scales/number lines marked in multiples of 100 with 2, 4, 5, and 10 equal parts.</p>

		2NPV-2 Reason about the location of any two-digit number in the linear number system, including identifying the previous and next multiple of 10.			3G-2 Draw polygons by joining marked points and identify parallel and perpendicular sides.	
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