

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 2021

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7
Team building tasks	<p>Number and place value (Y2/Recovery) – 2-digits</p> <ul style="list-style-type: none"> Place value in two-digit numbers Identify, represent using different representations Read and write numbers in numerals and words <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 (Y2/Recovery) – 2-digits</p> <ul style="list-style-type: none"> Place value in two-digit numbers Identify, represent using different representations Read and write numbers in numerals and words <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><u>RAG Rating Autumn 2021</u></p> <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 /Addition and subtraction (Y2/Recovery) – 2-digits</p> <ul style="list-style-type: none"> Add and subtract two digits numbers and ones, tens and two-digit numbers Commutative Inverse <p>2AS-3 & 4 Add and subtract within 100 by applying related one-digit addition and subtraction facts: add and subtract only ones or only tens to/from a two-digit number/any 2 two-digit numbers.</p>	<p>Number and place value (Y2/Y3/Recovery) – 3 digits</p> <ul style="list-style-type: none"> Place value in three-digit numbers Identify, represent using different representations Read and write numbers in numerals and words <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><u>RAG Rating Autumn 2021</u></p> <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>	Assessment (KS1 2019)	<p>Number and place value (Y2/Y3/Recovery) – 3 digits</p> <ul style="list-style-type: none"> Place value in three-digit numbers Identify, represent using different representations Read and write numbers in numerals and words <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><u>RAG Rating Autumn 2021</u></p> <p>3NPV-3 Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.</p>

Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7
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Number and place value (Y2/Y3/Recovery) – 3 digits	Number and place value/Addition and subtraction (Y2/Recovery) – 3-digits	Number and place value/Addition and subtraction (Y2/Recovery) – 3-digits	Assessment Week	Money (Year 2/Recovery)	Number and place value/Addition and subtraction (Y2/Recovery) – 3-digits	Number and place value/Addition and subtraction (Y2/Recovery) – 3-digits
<ul style="list-style-type: none"> Place value in three-digit numbers Identify, represent using different representations Read and write numbers in numerals and words <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><u>RAG Rating Autumn 2021</u></p> <p>3NPV-3 Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.</p>	<ul style="list-style-type: none"> Add and subtract three digits numbers and ones, tens and hundreds Estimate (link to Place value: rounding) Link to Measures: money <p>3NPV-3 Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.</p> <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>3AS-1 Calculate complements to 100 (money)</p> <p><u>RAG Rating Autumn 2021</u></p> <p>2NF-1 Secure fluency in addition and subtraction facts within 10, through continued practise.</p> <p>3NPV-4 Divide 100 into 2, 4, 5 and 10 equal parts/ Read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts.</p> <p>3NF-2 Secure fluency in addition and subtraction facts that bridge 10, through continued practise.</p> <p>Apply place value knowledge to known additive and multiplicative facts.</p> <p><u>RAG Rating Spring 2022</u></p> <p>2NF-1 Secure fluency in addition and subtraction facts within 10, through continued practise.</p> <p>3NPV-4 Divide 100 into 2, 4, 5 and 10 equal parts/ Read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts.</p>	<ul style="list-style-type: none"> Add and subtract three digits numbers and ones, tens and hundreds Estimate (link to Place value: rounding) Link to Measures: money <p>3NPV-3 Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.</p> <p><u>RAG Rating Autumn 2021</u></p> <p>2AS-1 Add and subtract across 10.</p> <p>2AS-S Recognise the subtraction structure of 'difference' and answer questions of the form "How many more?".</p> <p>2AS-3 Add and subtract within 100 by applying related one-digit addition and subtraction facts. Add and subtract only ones or only tens to/form a two-digit number.</p> <p>2AS-4 Add and subtract within 100 by applying related one digit addition and subtraction facts.</p> <p><u>RAG Rating Spring 2022</u></p> <p>2AS-1 Add and subtract across 10.</p> <p>2AS-S Recognise the subtraction structure of 'difference' and answer questions of the form "How many more?".</p> <p>2AS-3 Add and subtract within 100 by applying related one-digit addition and subtraction facts. Add and subtract only ones or only tens to/form a two-digit number.</p> <p>2AS-4 Add and subtract within 100 by applying related one digit addition and subtraction facts.</p>		<ul style="list-style-type: none"> Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value Find different combinations of coins that equal the same amounts of money <p><u>RAG Rating 2022</u></p> <p>Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.</p> <p>Find different combinations of coins that equal the same amounts of money.</p>	<ul style="list-style-type: none"> Add and subtract three digits numbers and ones, tens and hundreds Estimate (link to Place value: rounding) Link to Measures: money <p>3NPV-3 Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.</p> <p><u>RAG Rating Autumn 2021</u></p> <p>3AS-2 Add and subtract to three-digit numbers using columnar method.</p> <p>3AS-3 Manipulate the additive relationship. Understand the inverse relationship between addition and subtraction and how both relate to the part-part-whole structure. Understand and use the communicative property of addition and related property for subtraction.</p> <p>3AS-1 Calculate complements to 100.</p> <p><u>RAG Rating Spring 2022</u></p> <p>3AS-2 Add and subtract to three-digit numbers using columnar method.</p> <p>3AS-3 Manipulate the additive relationship. Understand the inverse relationship between addition and subtraction and how both relate to the part-part-whole structure. Understand and use the communicative property of addition and related property for subtraction.</p> <p>3AS-1 Calculate complements to 100.</p>	<ul style="list-style-type: none"> Add and subtract three digits numbers and ones, tens and hundreds Estimate (link to Place value: rounding) Link to Measures: money <p>3NPV-3 Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.</p>

	<p>3NF-2 Secure fluency in addition and subtraction facts that bridge 10, through continued practise.</p> <p>Apply place value knowledge to known additive and multiplicative facts.</p> <p>Recall multiplication facts and corresponding division facts in the 10, 5, 2, 4 and 8 multiplication tables as multiples of the corresponding number.</p>					
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Spring Term 2022

Autumn starters:

Key skills (document):

2AS -4 Add and subtract within 100 by applying related one-digit addition and subtraction facts.

2MD-1 Recognise repeated addition contexts.

3AS-1 Calculate complements to 100.

3AS-2 Add and subtract up to three-digit numbers using columnar methods.

2MD-2 Multiplication and division equations with a missing factor.

3MD-1 Apply known multiplication and division facts to solve problems.

3F-2 Interpret and write proper fractions.

3F-2 Find unit fractions of quantities.

3F-4 Add and subtract fractions with the same denominator, within one.

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	Wk7
<p>Fractions</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</p> <p>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</p> <p><u>RAG Rating Spring 2022</u></p> <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>3F-2 Find unit fractions of quantities using known division facts (multiplication tables fluency).</p> <p>3F-3 Reason about the location of any fraction within 1 in the linear number system.</p>	<p>Fractions</p> <p>Recognise and show, using diagrams, equivalent fractions with small denominators.</p> <p><u>RAG Rating Spring 2022</u></p> <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>3F-2 Find unit fractions of quantities using known division facts (multiplication tables fluency).</p> <p>3F-3 Reason about the location of any fraction within 1 in the linear number system.</p>	<p>Fractions</p> <p>Add and subtract fractions with the same denominator within one whole.</p> <p>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> <p>Pupils connect tenths to place value, decimal measures and to division by 10.</p> <p>Pupils practise adding and subtracting fractions with the same denominator through a variety of increasingly complex problems to improve fluency.</p> <p><u>RAG Rating Spring 2022</u></p> <p>3F-4 Add and subtract fractions with the same denominator, within 1.</p>	<p>Measurement</p> <p>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); Measure the perimeter of simple 2-d shapes.</p> <p>Pupils continue to measure using the appropriate tools and units, progressing to using a wider range of measures, including comparing and using mixed units (for example, 1 kg and 200g) and simple equivalents of mixed units (for example, 5m = 500cm).</p> <p><u>RAG Rating Spring 2022</u></p> <p>Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); Measure the perimeter of simple 2-d shapes.</p>	<p>Measurement</p> <p>Measure, compare, add and subtract volume/capacity (l/ml).</p> <p>Pupils continue to measure using the appropriate tools and units, progressing to using a wider range of measures, including comparing and using mixed units (for example, 1 kg and 200g) and simple equivalents of mixed units (for example, 5m = 500cm).</p> <p><u>RAG Rating 2022</u></p> <p>Measure, compare, add and subtract volume/capacity (l/ml).</p>	<p>Money (Year 3/Review)</p> <p>Add and subtract amounts of money to give change, using both £ and p in practical contexts.</p> <p>Pupils continue to become fluent in recognising the value of coins, by adding and subtracting amounts, including mixed units, and giving change using manageable amounts. They record £ and p separately. The decimal recording of money is introduced formally in year 4.</p> <p><u>RAG Rating 2022</u></p> <p>Add and subtract amounts of money to give change, using both £ and p in practical contexts.</p>	<p>Fractions (Year 3/Review)</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</p> <p>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. Recognise and show, using diagrams, equivalent fractions with small denominators.</p> <p>Add and subtract fractions with the same denominator within one whole.</p> <p>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> <p><u>RAG Rating Spring 2022</u></p> <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>3F-2 Find unit fractions of quantities using known division facts (multiplication tables fluency).</p>

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Wk1	Wk2	Wk3	Wk4	Wk5	Wk6
<p><u>Multiplication</u></p> <p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p>Pupils develop efficient mental methods, for example, using commutativity and associativity (for example, $4 \times 12 \times 5 = 4 \times 5 \times 12 = 20 \times 12 = 240$) and multiplication and division facts (for example, using $3 \times 2 = 6$, $6 \div 3 = 2$ and $2 = 6 \div 3$) to derive related facts (for example, $30 \times 2 = 60$, $60 \div 3 = 20$ and $20 = 60 \div 3$).</p> <p><u>RAG Rating Autumn 2021</u></p> <p>2MD-1 Recognise repeated addition contexts, representing them with multiplication equations and calculating the product within 2, 5 and 10 multiplication tables.</p> <p>2MD-2 Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor and division equations (quotative division).</p> <p><u>Rag Rating Spring 2022</u></p> <p>2MD-1 Recognise repeated addition contexts, representing them with multiplication equations and calculating the product within 2, 5 and 10 multiplication tables.</p> <p>2MD-2 Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor and division equations (quotative division).</p> <p>3MD-1 Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division.</p>	<p><u>Multiplication</u></p> <p>Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</p> <p>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</p> <p><u>RAG Rating Autumn 2021</u></p> <p>2MD-1 Recognise repeated addition contexts, representing them with multiplication equations and calculating the product within 2, 5 and 10 multiplication tables.</p> <p>2MD-2 Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor and division equations (quotative division).</p> <p><u>Rag Rating Spring 2022</u></p> <p>2MD-1 Recognise repeated addition contexts, representing them with multiplication equations and calculating the product within 2, 5 and 10 multiplication tables.</p> <p>2MD-2 Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor and division equations (quotative division).</p> <p>3MD-1 Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division.</p>	<p><u>Division</u></p> <p>Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</p> <p>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</p> <p><u>RAG Rating Autumn 2021</u></p> <p>2MD-1 Recognise repeated addition contexts, representing them with multiplication equations and calculating the product within 2, 5 and 10 multiplication tables.</p> <p>2MD-2 Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor and division equations (quotative division).</p> <p><u>Rag Rating Spring 2022</u></p> <p>2MD-1 Recognise repeated addition contexts, representing them with multiplication equations and calculating the product within 2, 5 and 10 multiplication tables.</p> <p>2MD-2 Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor and division equations (quotative division).</p> <p>3MD-1 Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division.</p>	<p><u>Assessment Week</u></p>	<p><u>Time</u></p> <p>Know the number of seconds in a minute and the number of days in each month, year and leap year.</p> <p>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</p> <p><u>RAG Rating 2022</u></p> <p>Know the number of seconds in a minute and the number of days in each month, year and leap year.</p> <p>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</p>	<p><u>Time</u></p> <p>Tell and write the time from an analogue clock, including using roman numerals from i to xii, and 12-hour and 24-hour clocks.</p> <p>Compare durations of events [for example to calculate the time taken by particular events or tasks].</p> <p>Pupils continue to measure using the appropriate tools and units, progressing to using a wider range of measures, including comparing and using mixed units (for example, 1 kg and 200g) and simple equivalents of mixed units (for example, 5m = 500cm).</p> <p><u>RAG Rating Spring 2022</u></p> <p>Tell and write the time from an analogue clock, including using roman numerals from i to xii, and 12-hour and 24-hour clocks.</p> <p>Compare durations of events [for example to calculate the time taken by particular events or tasks].</p>

Summer Term 2022

Autumn starters:

Key skills (document):

3F-3 Reason about the location of any fraction within 1 in the linear number system.

3F-3 Reason about the location of any fraction within 1 in the linear number system.

Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g);

3F-3 Reason about the location of any fraction within 1 in the linear number system.

Measure the perimeter of simple 2-d shapes.

Measure, compare, add and subtract volume/capacity (l/ml)

2AS-S Recognise the subtraction structure of 'difference' and answer questions of the form "How many more?".

2AS-3 Add and subtract within 100 by applying related one-digit addition and subtraction facts. Add and subtract only ones or only tens to/from a two-digit number.

2AS-4 Add and subtract within 100 by applying related one digit addition and subtraction facts.

3AS-2 Add and subtract to three-digit numbers using columnar method.

3AS-3 Manipulate the additive relationship. Understand the inverse relationship between addition and subtraction and how both relate to the part-part-whole structure. Understand and use the communicative property of addition and related property for subtraction.

3AS-1 Calculate complements to 100.

Tell and write the time from an analogue clock, including using roman numerals from i to xii, and 12-hour and 24-hour clocks.

3MD-1 Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division.

Compare durations of events [for example to calculate the time taken by particular events or tasks].

Wk1	Wk2	Wk3	Wk4	Wk4
<p>Time</p> <p>Tell and write the time from an analogue clock, including using roman numerals from i to xii, and 12-hour and 24-hour clocks.</p> <p>Compare durations of events [for example to calculate the time taken by particular events or tasks].</p> <p>Pupils continue to measure using the appropriate tools and units, progressing to using a wider range of measures, including comparing and using mixed units (for example, 1 kg and 200g) and simple equivalents of mixed units (for example, 5m = 500cm).</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 recognise angles as a property of shape or a description of a turn identify right angles, recognise that 2 right angles make a half-turn, 3 make three-quarters of a turn and 4 a complete turn; identify whether angles are greater than or less than a right angle identify horizontal and vertical lines and pairs of perpendicular and parallel lines <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>Geometry: position and direction</p> <ul style="list-style-type: none"> describe position, direction and movement, including whole, half, quarter and three-quarter turns <p>3G-1 Recognise right angles as a property of shape or a description of a turn and identify right angles in 2D shapes presented in different orientations</p> <p>3G-2 Draw polygons by joining marked points and identify parallel lines and perpendicular sides.</p>	<p>Statistics</p> <ul style="list-style-type: none"> interpret and present data using bar charts, pictograms and tables solve one-step and two-step questions [for example 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables 	<p>Statistics</p> <ul style="list-style-type: none"> interpret and present data using bar charts, pictograms and tables solve one-step and two-step questions [for example 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables

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