



Strand	Unit of Learning	Lesson	NC 1	NC 2	NC 3
Number - number and place value	Place value within 1,000	Counting in 100s	Recognise the place value of each digit in a three- digit number (hundreds, tens, ones)	Read and write numbers up to 1,000 in numerals and in words	Identify, represent and estimate numbers using different representations
Number - number and place value	Place value within 1,000	Representing numbers to 1,000	Identify, represent and estimate numbers using different representations	Recognise the place value of each digit in a three- digit number (hundreds, tens, ones)	Read and write numbers up to 1,000 in numerals and in words
Number - number and place value	Place value within 1,000	100s, 10s and 1s (1)	Recognise the place value of each digit in a three- digit number (hundreds, tens, ones)	Identify, represent and estimate numbers using different representations	Read and write numbers up to 1,000 in numerals and in words
Number - number and place value	Place value within 1,000	100s, 10s and 1s (2)	Recognise the place value of each digit in a three- digit number (hundreds, tens, ones)	Identify, represent and estimate numbers using different representations	Read and write numbers up to 1,000 in numerals and in words
Number - number and place value	Place value within 1,000	The number line to 1,000 (1)	Recognise the place value of each digit in a three- digit number (hundreds, tens, ones)	Identify, represent and estimate numbers using different representations	Read and write numbers up to 1,000 in numerals and in words
Number - number and place value	Place value within 1,000	The number line to 1,000 (2)	Compare and order numbers up to 1,000	Read and write numbers up to 1,000 in numerals and in words	Recognise the place value of each digit in a three- digit number (hundreds, tens, ones)
Number - number and place value	Place value within 1,000	Finding 1, 10 and 100 more or less	Recognise the place value of each digit in a three- digit number (hundreds, tens, ones)	Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number	Identify, represent and estimate numbers using different representations
Number - number and place value	Place value within 1,000	Comparing numbers to 1,000 (1)	Compare and order numbers up to 1,000	Identify, represent and estimate numbers using different representations	Read and write numbers up to 1,000 in numerals and in words
Number - number and place value	Place value within 1,000	Comparing numbers to 1,000 (2)	Compare and order numbers up to 1,000	Solve number problems and practical problems involving these ideas	Recognise the place value of each digit in a three- digit number (hundreds, tens, ones)
Number - number and place value	Place value within 1,000	Ordering numbers to 1,000	Compare and order numbers up to 1,000	Recognise the place value of each digit in a three- digit number (100s, 10s, 1s)	Read and write numbers up to 1000 in numerals and in words



Number - addition and subtraction	Addition and subtraction (2)	Subtracting a 3-digit number from a 3-digit number (2)	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction
Number - addition and subtraction	Addition and subtraction (2)	Estimating answers to additions and subtractions	Estimate the answer to a calculation and use inverse operations to check answers		
Number - addition and subtraction	Addition and subtraction (2)	Checking strategies	Estimate the answer to a calculation and use inverse operations to check answers		
Number - addition and subtraction	Addition and subtraction (2)	Problem solving - addition and subtraction (1)	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction		
Number - addition and subtraction	Addition and subtraction (2)	Problem solving - addition and subtraction (2)	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction		
Number - multiplication and division	Multiplication and division (1)	Multiplication - equal grouping	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	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	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
Number - multiplication and division	Multiplication and division (1)	Multiplying by 3	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	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	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
Number - multiplication and division	Multiplication and division (1)	Dividing by 3	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	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	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
Number - multiplication and division	Multiplication and division (1)	3 times-table	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	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	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
Number - multiplication and division	Multiplication and division (1)	Multiplying by 4	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	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	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
Number - multiplication and division	Multiplication and division (1)	Dividing by 4	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	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	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





Number - multiplication and division	Multiplication and division (2)	Comparing multiplication and division statements (1)	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		
Number - multiplication and division	Multiplication and division (2)	Related multiplication calculations	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		
Number - multiplication and division	Multiplication and division (2)	Related multiplication and division calculations	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		
Number - multiplication and division	Multiplication and division (2)	Comparing multiplication and division statements (2)	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		

Number - multiplication and division	Multiplication and division (2)	Multiplying a 2-digit number by a 1-digit number (1)	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		
Number - multiplication and division	Multiplication and division (2)	Multiplying a 2-digit number by a 1-digit number (2)	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		
Number - multiplication and division	Multiplication and division (2)	Multiplying a 2-digit number by a 1-digit number (3)	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		
Number - multiplication and division	Multiplication and division (2)	Dividing a 2-digit number by a 1-digit number (1)	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		

Number - multiplication and division	Multiplication and division (2)	Dividing a 2-digit number by a 1-digit number (2)	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		
Number - multiplication and division	Multiplication and division (2)	Dividing a 2-digit number by a 1-digit number (3)	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		
Number - multiplication and division	Multiplication and division (2)	How many ways?	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		
Number - multiplication and division	Multiplication and division (2)	Problem solving - mixed problems (1)	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	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	Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign
Number - multiplication and division	Multiplication and division (2)	Problem solving - mixed problems (2)	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	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	Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign

Number - multiplication and division	Multiplication and division (2)	Problem solving - mixed problems (3)	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	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	Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign
Measurement	Money	Pounds and pence	Add and subtract amounts of money to give change, using both £ and p in practical contexts		
Measurement	Money	Converting pounds and pence	Add and subtract amounts of money to give change, using both £ and p in practical contexts		
Measurement	Money	Adding money	Add and subtract amounts of money to give change, using both £ and p in practical contexts		
Measurement	Money	Subtracting amounts of money	Add and subtract amounts of money to give change, using both £ and p in practical contexts		
Measurement	Money	Problem solving - money	Add and subtract amounts of money to give change, using both £ and p in practical contexts		
Statistics	Statistics	Pictograms (1)	Interpret and present data using bar charts, pictograms and tables		

Statistics	Statistics	Pictograms (2)	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		
Statistics	Statistics	Bar charts (1)	Interpret and present data using bar charts, pictograms and tables		
Statistics	Statistics	Bar charts (2)	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		
Statistics	Statistics	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		
Measurement	Length	Measuring length (1)	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Length	Measuring length (2)	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Length	Equivalent lengths - metres and centimetres	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Length	Equivalent lengths - centimetres and millimetres	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Length	Comparing lengths	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		

Measurement	Length	Adding lengths	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Length	Subtracting lengths	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Length	Measuring the perimeter (1)	Measure the perimeter of simple 2-d shapes		
Measurement	Length	Measuring the perimeter (2)	Measure the perimeter of simple 2-d shapes		
Measurement	Length	Problem solving - length (1)	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)	Measure the perimeter of simple 2-d shapes	
Measurement	Length	Problem solving - length (2)	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)	Measure the perimeter of simple 2-d shapes	
Number - fractions	Fractions (1)	Unit and non-unit fractions	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators		
Number - fractions	Fractions (1)	Making the whole	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators		

Number - fractions	Fractions (1)	Tenths (1)	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		
Number - fractions	Fractions (1)	Tenths (2)	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		
Number - fractions	Fractions (1)	Fractions as numbers (1)	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	Compare and order unit fractions, and fractions with the same denominators	
Number - fractions	Fractions (1)	Fractions as numbers (2)	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	Compare and order unit fractions, and fractions with the same denominators	
Number - fractions	Fractions (1)	Fractions as numbers (3)	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	Compare and order unit fractions, and fractions with the same denominators	
Number - fractions	Fractions (1)	Fractions of a set of objects (1)	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators		
Number - fractions	Fractions (1)	Fractions of a set of objects (2)	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators		
Number - fractions	Fractions (1)	Fractions of a set of objects (3)	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators		
Number - fractions	Fractions (1)	Problem solving - fractions	Solve problems that involve all of the above		



Number - fractions	Fractions (2)	Equivalent fractions (1)	Recognise and show, using diagrams, equivalent fractions with small denominators		
Number - fractions	Fractions (2)	Equivalent fractions (2)	Recognise and show, using diagrams, equivalent fractions with small denominators	Compare and order unit fractions, and fractions with the same denominators	
Number - fractions	Fractions (2)	Equivalent fractions (3)	Recognise and show, using diagrams, equivalent fractions with small denominators	Solve problems that involve all of the above	
Number - fractions	Fractions (2)	Comparing fractions	Recognise and show, using diagrams, equivalent fractions with small denominators	Compare and order unit fractions, and fractions with the same denominators	
Number - fractions	Fractions (2)	Comparing and ordering fractions	Compare and order unit fractions, and fractions with the same denominators		
Number - fractions	Fractions (2)	Adding fractions	Add and subtract fractions with the same denominator within one whole (for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$ )		
Number - fractions	Fractions (2)	Subtracting fractions	Add and subtract fractions with the same denominator within one whole (for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$ )		
Number - fractions	Fractions (2)	Problem solving - adding and subtracting fractions	Solve problems that involve all of the above	Add and subtract fractions with the same denominator within one whole (for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$ )	

Number - fractions	Fractions (2)	Problem solving - fractions of measures	Solve problems that involve all of the above	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
Measurement	Time	Months and years	Know the number of seconds in a minute and the number of days in each month, year and leap year		
Measurement	Time	Hours in a day	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, am/pm, morning, afternoon, noon and midnight	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	
Measurement	Time	Estimating time	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks		
Measurement	Time	Telling time to 5 minutes	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks		
Measurement	Time	Telling time to the minute (1)	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, am/pm, morning, afternoon, noon and midnight		

Measurement	Time	Telling time to the minute (2)	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, am/pm, morning, afternoon, noon and midnight		
Measurement	Time	Telling time to the minute (3)	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	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, am/pm, morning, afternoon, noon and midnight	
Measurement	Time	Finding the duration	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, am/pm, morning, afternoon, noon and midnight		
Measurement	Time	Comparing duration	Compare durations of events (for example to calculate the time taken by particular events or tasks)	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, am/pm, morning, afternoon, noon and midnight	

Measurement	Time	Finding start and end times	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, am/pm, morning, afternoon, noon and midnight	Compare durations of events (for example to calculate the time taken by particular events or tasks)	
Measurement	Time	Measuring time in seconds	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, am/pm, morning, afternoon, noon and midnight	Compare durations of events (for example to calculate the time taken by particular events or tasks)	
Geometry - properties of shapes	Angles and properties of shapes	Turns and angles	Recognise angles as a property of shape or a description of a turn	Identify right angles, recognise that two right angles make a half - turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle	
Geometry - properties of shapes	Angles and properties of shapes	Right angles in shapes	Recognise angles as a property of shape or a description of a turn	Identify right angles, recognise that two right angles make a half - turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle	

Geometry - properties of shapes	Angles and properties of shapes	Comparing angles	Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle	Recognise angles as a property of shape or a description of a turn	
Geometry - properties of shapes	Angles and properties of shapes	Drawing accurately	Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines	
Geometry - properties of shapes	Angles and properties of shapes	Types of line (1)	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines		
Geometry - properties of shapes	Angles and properties of shapes	Types of line (2)	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines		
Geometry - properties of shapes	Angles and properties of shapes	Recognising and describing 2D shapes	Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them		
Geometry - properties of shapes	Angles and properties of shapes	Recognising and describing 3D shapes	Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them		
Geometry - properties of shapes	Angles and properties of shapes	Constructing 3D shapes	Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them		
Measurement	Mass	Measuring mass (1)	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		

Measurement	Mass	Measuring mass (2)	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Mass	Measuring mass (3)	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Mass	Comparing masses	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Mass	Adding and subtracting masses	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Mass	Problem solving - mass	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Capacity	Measuring capacity (1)	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Capacity	Measuring capacity (2)	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Capacity	Measuring capacity (3)	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Capacity	Comparing capacities	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		

Measurement	Capacity	Adding and subtracting capacities	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		
Measurement	Capacity	Problem solving - capacity	Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)		