



Strand	Unit	Lessons	NC Objectives
Number - number and place value	1 Numbers to 10	Sorting objects Counting objects to 10 Counting and writing numbers to 10 Counting backwards from 10 to 0 Counting one more Counting one less Comparing groups Comparing numbers of objects Comparing numbers Ordering objects and numbers First, second, third... The number line	Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Read and write numbers to 100 in numerals; count in multiples of twos, fives and tens Read and write numbers from 1 to 20 in numerals and words Given a number, identify one more and one less Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
Number - addition and subtraction	2 Part-whole within 10	The part-whole model (1) The part-whole model (2) Related facts – number bonds Finding number bonds Comparing number bonds	Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs Represent and use number bonds and related subtraction facts within 20
Number - addition and subtraction	3 Addition and subtraction within 10 (1)	Finding the whole – adding together Finding the whole – adding more Finding a part Finding and making number bonds Finding addition facts Solving word problems – addition	Represent and use number bonds and related subtraction facts within 20 Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = _ - 9$.
Number - addition and subtraction	4 Addition and subtraction within 10 (2)	Subtraction – how many are left? (1) Subtraction – how many are left? (2) Subtraction – breaking apart (1) Subtraction – breaking apart (2) Related facts – addition and subtraction (1) Related facts – addition and subtraction (2) Subtraction – counting back Subtraction – finding the difference Solving word problems – subtraction Comparing additions and subtractions (1) Comparing additions and subtractions (2) Solving word problems – addition and subtraction	Represent and use number bonds and related subtraction facts within 20 Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = _ - 9$ Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs Add and subtract one-digit and two-digit numbers to 20, including zero



Mathematics – Year One

Strand	Unit	Lessons	NC Objectives
Geometry - properties of shape	5 2D and 3D shapes	Naming 3D shapes (1) Naming 3D shapes (2) Naming 2D shapes (1) Naming 2D shapes (2) Making patterns with shapes	Recognise and name common 2-D and 3-D shapes, including: 2-D shapes [for example, rectangles (including squares), circles and triangles]; 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]. Recognise and create repeating patterns with objects and with shapes.
Number - number and place value	6 Numbers to 20	Counting and writing numbers to 20 Tens and ones (1) Tens and ones (2) Counting one more, one less Comparing numbers of objects Comparing numbers Ordering objects and numbers	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Recognise the place value of each digit in a two-digit number (tens, ones) (year 2) Given a number, identify one more and one less Compare and order numbers from 0 up to 100; use and = signs (year 2)
Number – addition and subtraction	7 Addition within 20	Add by counting on Adding ones Finding number bonds Add by making 10 (1) Add by making 10 (2) Solving word problems – addition	Add and subtract 1-digit and 2-digit numbers to 20, including zero Represent and use number bonds and related subtraction facts within 20 Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$
Number – addition and subtraction	8 Subtraction within 20	Subtracting ones Subtracting tens and ones Subtraction – crossing the 10 (1) Subtraction – crossing the 10 (2) Solving word and picture problems – subtraction Addition and subtraction facts to 20 Comparing additions and subtractions Solving word and picture problems – addition and subtraction	Represent and use number bonds and related subtraction facts within 20 Add and subtract 1-digit and 2-digit numbers to 20, including zero Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$ Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
Number – number and place value	9 Numbers to 50	Counting to 50 (1) Counting to 50 (2) Tens and ones Representing numbers to 50 Comparing numbers of objects Comparing numbers Ordering objects and numbers Counting in 2s Counting in 5s	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least (Year 2) recognise the place value of each digit in a 2-digit number (tens, ones) Given a number, identify one more and one less (Year 2) compare and order numbers from 0 up to 100; use and = signs



Mathematics – Year One

Strand	Unit	Lessons	NC Objectives
		Solving word problems – addition and subtraction (1) Solving word problems – addition and subtraction (2)	Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$
Measurement Number – addition and subtraction	10 Introducing length and height	Comparing lengths and heights Non-standard units of measure (1) Non-standard units of measure (2) Measuring length using a ruler Solving word problems – length	Compare, describe and solve practical problems for: lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] Measure and begin to record the following: lengths and heights Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$
Measurement Number – addition and subtraction	11 Introducing weight and volume	Comparing weight Measuring weight Comparing weight using measuring Comparing capacity Measuring capacity Comparing capacity using measuring Solving word problems – weight and capacity	Compare, describe and solve practical problems for: mass/weight [for example, heavy/light, heavier than, lighter than] Measure and begin to record the following: mass/weight, capacity and volume Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$
Number – number and place value Number – multiplication and division	12 Multiplication	Counting in 10s, 5s and 2s Making equal groups Adding equal groups Making simple arrays Making doubles Solving word problems – multiplication	Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher Non-statutory guidance: Through grouping and sharing small quantities, pupils begin to understand: multiplication and division; doubling numbers and quantities; and finding simple fractions of objects, numbers and quantities
Number – multiplication and division	13 Division	Making equal groups (1) Making equal groups (2) Sharing equally (1) Sharing equally (2) Solving word problems – division	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher
Number – fractions	14 Halves and quarters	Finding halves (2) Finding quarters (1) Finding quarters (2) Solving word problems – halves and quarters Describing turns	Recognise, find and name a half as one of two equal parts of an object, shape or quantity



Mathematics – Year One

Strand	Unit	Lessons	NC Objectives
Geometry – position and direction	15 Position and direction	Describing turns Describing positions (1) Describing positions (2)	Describe position, direction and movement, including whole, half, quarter and three-quarter turns Non-statutory guidance: Pupils use the language of position, direction and motion, including: left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside.
Number – number and place value	16 Numbers to 100	Counting to 100 Exploring number patterns Partitioning numbers (1) Partitioning numbers (2) Comparing numbers (1) Comparing numbers (2) Ordering numbers Bonds to 100 (1) Bonds to 100 (2)	Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number Given a number, identify one more and one less (Year 2) Recognise the place value of each digit in a 2-digit number (tens, ones) Represent and use number bonds and related subtraction facts within 20 (Year 2) Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
Measurement Number – addition and subtraction	17 Time	Using before and after Using a calendar Telling time to the hour Telling time to the half hour Writing time Comparing time Solving word problems – time	Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening] Recognise and use language relating to dates, including days of the week, weeks, months and years Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times Measure and begin to record the following: time (hours, minutes, seconds) Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$ Compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later]
Measurement Number – number and place value	18 Money	Recognising coins Recognising notes Counting with coins	Recognise and know the value of different denominations of coins and notes Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s