



Strand	Unit	Lessons	NC Objectives
Number - number and place value	1 Numbers to 100	Counting objects to 100 Representing numbers to 100 Tens and ones (1) Tens and ones (2) Representing numbers on a place value grid Comparing numbers (1) Comparing numbers (2) Ordering numbers Counting in 2s, 5s and 10s Counting in 3s	Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s (year 1) Identify, represent and estimate numbers using different representations, including the number line Recognise the place value of each digit in a 2-digit number (10s, 1s) Compare and order numbers from 0 up to 100; use and = signs Count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward
Number – addition and subtraction	2 Addition and subtraction (1)	Using number facts to check calculations Comparing number sentences Finding related facts Making number bonds to 100 Adding and subtracting 1s Finding 10 more and 10 less Adding and subtracting 10s Adding a 2-digit and 1-digit number (1) Adding a 2-digit and 1-digit number (2) Subtracting a 1-digit number from a 2-digit number (1) Subtracting a 1-digit number from a 2-digit number (2)	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a 2-digit number and 1s Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures Solve problems with addition and subtraction: applying their increasing knowledge of mental and written methods
Number – addition and subtraction	3 Addition and subtraction (2)	Subtracting a 2-digit number from another 2-digit number (3) Subtracting a 2-digit number from another 2-digit number (4) Adding three 1-digit numbers Solving word problems – the bar model (1) Solving word problems – the bar model (2)	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a 2-digit number and 1s Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures Solve problems with addition and subtraction: applying their increasing knowledge of mental and written methods
Measurement	4 Money	Counting money – coins Counting money – notes Counting money – coins and notes Showing equal amounts of money (1) Showing equal amounts of money (2) Comparing amounts of money Calculating the total amount Finding change Solving two step word problems	Recognise and use signs for pounds (£) and pence (p); combine amounts to make a particular value Recognise and know the value of different denominations of coins and notes (year 1) Find different combinations of coins that equal the same amounts of money Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change



Mathematics – Year Two

Strand	Unit	Lessons	NC Objectives
Number – multiplication and division	5 Multiplication and division (1)	Making equal groups Multiplication as equal groups Adding equal groups Multiplication sentences Using arrays 2 times-table 5 times-table 10 times-table Solving word problems – multiplication	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 (year 1) Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even number Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
Number – multiplication and division	6 Multiplication and division (2)	Making equal groups Sharing and grouping Dividing by 2 Odd and even numbers Dividing by 5 Dividing by 10 Bar modelling – grouping Bar modelling – sharing Solving word problems – division	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
Statistics	7 Statistics	Making tally charts Creating pictograms (1) Creating pictograms (2) Interpreting pictograms (1) Interpreting pictograms (2) Block diagrams Solving word problems	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity Ask and answer questions about totalling and comparing categorical data
Measurement	8 Length and height	Measuring in centimetres Measuring in metres Comparing lengths Ordering lengths Solving word problems – length	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ($^{\circ}$ C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels Compare and order lengths, mass, volume/ capacity and record the results using $>$, $<$ and $=$ Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures
Geometry – properties of shape	9 Properties of shapes	Recognising 2D and 3D shapes Drawing 2D shapes Counting sides on 2D shapes Counting vertices on 2D shapes	Compare and sort common 2D and 3D shapes and everyday objects Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line



Mathematics – Year Two

Strand	Unit	Lessons	NC Objectives
		Finding lines of symmetry Sorting 2D shapes Making patterns with 2D shapes Counting faces on 3D shapes Counting edges on 3D shapes Counting vertices on 3D shapes Sorting 3D shapes Making patterns with 3D shapes	Order and arrange combinations of mathematical objects in patterns and sequences (Year 1) recognise, find and name a half as one of two equal parts of an object, shape or quantity
Number – fractions	10 Fractions	Introducing whole and parts Making equal parts Recognising a half ($\frac{1}{2}$) Finding a half Recognising a quarter ($\frac{1}{4}$) Finding a quarter Unit fractions Understanding other fraction $\frac{1}{2}$ and $\frac{2}{4}$ finding $\frac{2}{4}$ Understanding a whole Understanding whole and parts Counting in halves Counting in quarters	(Year 1) recognise, find and name a half as one of two equal parts of an object, shape or quantity Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, and $\frac{3}{4}$ of a length, shape, set of objects or quantity Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$ Non-statutory guidelines: Pupils should count in fractions up to 10, starting from any number
Geometry – position and direction	11 Position and direction	Describing movement Describing turns Describing movement and turns Making patterns with shapes	Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise) Order and arrange combinations of mathematical objects in patterns and sequences
Number – number and place value Number – addition and subtraction	12 Problem solving and efficient methods	My way, your way! Using number facts Using number facts and equivalence Using a 100 square Getting started Missing numbers Mental addition and subtraction (1) Mental addition and subtraction (2) Efficient subtraction Solving problems – addition and subtraction Solving problems – multiplication and division Solving problems using the four operations	Use place value and number facts to solve problems Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot



Mathematics – Year Two

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			Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
Measurement	13 Time	Telling and writing time to the hour and the half hour Telling time to the quarter hour Telling time to 5 minutes Minutes in an hour Finding durations of time Comparing durations of time Finding the end time Finding the start time Hours in a day	(Year 1) tell the time to the hour and half past the hour and draw the hands on a clock face to show these times Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times Know the number of minutes in an hour and the number of hours in a day Compare and sequence intervals of time Know the number of minutes in an hour and the number of hours in a day
Measurement	14 Weight, volume and temperature	Comparing mass Weight, volume and temperature Measuring mass in grams (1) Measuring mass in grams (2) Measuring mass in kilograms Comparing volume Measuring volume in millilitres (1) Measuring volume in millilitres (2) Measuring volume in litres Measuring temperature using a thermometer Reading thermometers	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels Compare and order lengths, mass, volume/ capacity and record the results using >, < and =