



### Maths Objectives Year 1

Units	Objectives covered
<b>1A Unit 1 Numbers to 10 Counting to 10</b>	Count from 0 to 10 recognise, read and write numbers (0 - 10) and corresponding words (zero to ten) associate a number of items with correct number and correct number word remember the order of numbers (0 to 10)
<b>1A Unit 1 Numbers to 10 compare</b>	compare two sets of objects - 1 - 1 correspondence use the terms 'more than' and 'fewer than' when comparing two sets of objects compare two numbers using the terms 'greater than' or 'smaller' than
<b>1A Unit 1 Numbers to 10 Order and pattern</b>	compare the number of items from a sequence of objects and find the number of objects in a sequence Interpret and use statements containing '1 more than' or '1 less than' a given number
<b>1A Unit 2 Number Bonds</b>	Pupils will use cubes to show number bonds for numbers up to 10. Pupils will use a number balance to show number bonds for numbers from 6 to 10 Pupils will investigate all possible sets of two numbers that make a given number Pupils will investigate all possible sets of three numbers that make a given number
<b>1A Unit 3 addition within 10 Ways to add</b>	Pupils will be able to use the 'counting on' strategy to add. Pupils will be able to relate addition to number bonds. Pupils will be able to add using number bonds.
<b>1A Unit 3 addition within 10 Making addition stories</b>	Pupils will be able to make addition stories based on pictures and various situations.
<b>1A Unit 3 addition within 10 Solving word problems</b> <b>1A Unit 4 Subtraction within 10 Ways to subtract</b>	Pupils will be able to add by recognising two addition concepts, 'part-whole' and 'adding on' Pupils will be able to solve addition word problems using number bonds or the 'counting on' strategy Pupils will be able to recall number bonds to solve the problem. Pupils will be able to use the 'taking away' concept to subtract. Pupils will be able to use the 'counting on' strategy to subtract Pupils will be able to use the 'counting back' strategy to subtract. Pupils will be able to relate subtraction to number bonds. Pupils will be able to subtract using number bonds.
<b>1A Unit 4 Subtraction within 10 Making subtraction stories</b>	Pupils will be able to make subtraction stories based on pictures and various situations.
<b>1A Unit 4 Subtraction within</b>	Pupils will be able to subtract by recognising two subtraction concepts; 'part-whole' and 'taking away'.

<b>10 Solving word problems</b>	Pupils will be able to solve subtraction word problems using various strategies.
<b>1A Unit 4 Subtraction within 10 Making a family of number sentences</b>	Pupils will be able to write a family of two addition and two subtraction number sentences, given a set of three related numbers. Pupils will be able to apply number bonds to make addition and subtraction sentences in various ways, given a set of numbers. Pupils will be able to analyse numbers and form number bonds to solve problems.
<b>1A Unit 5 Shapes and Patterns Getting to know shapes</b>	Pupils will be able to look at a shape and identify it as a circle, triangle, square, rectangle. Pupils will be able to classify and group the different shapes as circles, triangles, squares or rectangles. Pupils will be able to describe the characteristics of the different shapes and also explain why they are not another shape.
<b>1A Unit 5 Shapes and Patterns Making pictures from shapes</b>	Pupils will be able to identify the four basic shapes and find the number of each shape in a given picture. Pupils will be able to make pictures using the four basic shapes.
<b>1A Unit 5 Shapes and Patterns Seeing shapes in things around us</b>	Pupils will be able to identify the four basic shapes in real-life objects. Pupils will be able to name objects that have these basic shapes.
<b>1A Unit 5 Shapes and Patterns Getting to know patterns</b>	Pupils will be able to identify and complete a pattern according to one or two attributes, shape, size or colour. Pupils will be able to use shapes to make a pattern.
<b>1A Unit 5 Shapes and Patterns Making more patterns</b>	Pupils will be able to identify the attributes of size, colour or object in a 3D pattern. Pupils will be able to complete a pattern with 3D shapes consisting of cubes, cuboids, cones, and cylinders. Pupils will be able to classify shapes by colour and size. Pupils will be able to recognise a pattern and identify the missing item.
<b>1A Unit 6 Ordinal Numbers</b>	Pupils will be able to describe positions using ordinal numbers and words: 1st to 10th and first to tenth. Pupils will be able to use the words 'before', 'between' and 'after' to describe the position of something. Pupils will be able to use the words 'first' and 'last' to describe the position of something.
<b>1A Unit 6 Ordinal Numbers Naming left and right positions</b>	Pupils will be able to describe positions from the left and right using ordinal numbers. Pupils will be able to use 'next to' to describe the position of an object. Pupils will be able to investigate and hypothesise a pattern describing the sum of number positions. Pupils will be able to make deductions based on the position of objects from given suggestions in order to solve the problem.
<b>1A Unit 7 Numbers to 20 Counting to 20</b>	Pupils will be able to count up to 20 by making 10 first Pupils will be able to read and write numbers 11 to 20 in numerals and words.
<b>1A Unit 7 Numbers</b>	Pupils will be able to represent numbers as tens and ones in a place value chart.

<b>to 20 Place Value</b>	Pupils will be able to show objects in tens and ones given a number up to 20.
<b>1A Unit 7 Numbers to 20 Compare</b>	compare and order numbers to 20 using the terms 'greater than' and 'smaller than'. compare and order numbers to 20 using the terms 'greatest' and 'smallest'. compare and order numbers to 20 using the terms 'more than' and 'fewer than'.
<b>1A Unit 7 Numbers to 20 order and pattern</b>	compare two numbers arrange numbers in ascending or descending order
<b>1A Unit 8 Addition and Subtraction within 20 ways to add</b>	add two 1-digit numbers using the 'make 10' strategy. add one 1-digit number and one 2-digit number using the 'regrouping into tens and ones' strategy.
<b>1A Unit 8 Addition and Subtraction within 20 Ways to subtract</b>	subtract a 1-digit number from a 2-digit number when regrouping is not required. subtract a 1-digit number from a 2-digit number when regrouping is required.
<b>1A Unit 8 Addition and Subtraction within 20 Solving word problems</b>	solve one-step word problems using the 'part-whole' or 'adding on' concepts in addition. solve one-step word problems using the 'part-whole' or 'taking away' concepts in subtraction. Pupils will be able to recall addition and subtraction number bonds for numbers to 20 to solve problems.
<b>1A Unit 9 Length Comparing two things</b>	Pupils will be able to compare the lengths of two objects using the terms 'tall/taller' 'long/longer', 'short/shorter', and 'high/higher'
<b>1A Unit 9 Length Comparing more things</b>	Pupils will be able to compare the lengths of more than two objects using the terms 'tallest', 'longest', 'shortest', and 'highest'.
<b>1A Unit 9 Length Using a start line</b>	Pupils will be able to use a common starting point when comparing lengths.
<b>1A Unit 9 Length Measuring things</b>	Pupils will be able to measure lengths using objects as non-standard units.
<b>1A Unit 9 Length Finding length in units</b>	Pupils will be able to use the term 'unit' to describe length.
<b>1A Unit 9 Length Problems 1B Unit 10 Mass Compare things</b>	Pupils will be able to discriminate the use of unit length to determine the length of objects. Use a grid to help them determine and compare lengths of objects. use the terms 'heavy', 'heavier', 'light' and 'lighter' to compare the masses of objects on a pan balance. use the phrase 'as heavy as' to compare the masses of objects on a pan balance for objects with the same mass. Understand that size does not always determine mass. Use the terms 'heaviest' and 'lightest' to compare the masses of three objects. guess the heavier or lighter object and use the pan balance to check if the guess is accurate.
<b>1A Unit 10 Mass</b>	Determine the heavier or lighter object using modelling clay as an intermediate

<b>Compare things</b>	object.
<b>1A Unit 9 Mass Finding the masses of things</b>	use a non-standard object such as a marble to find the masses of objects
<b>1B Unit 10 Mass Finding the masses of things</b>	compare objects using a non-standard object as a medium of measurement. Use a pan balance to compare the masses of three objects and state the heaviest or the lightest object. Arrange the masses of the objects in decreasing order.
<b>1B Unit 10 Mass Finding mass in units</b>	find the masses of objects using non-standard units. Use the term 'units' in writing the masses of objects. Explain why there is a difference in using different objects as measuring units. Pupils will be able to use comparing and deducting when given a set of measurements to arrange masses in order.
<b>1B Unit 11 Picture Graphs Simple picture graphs</b>	collect and sort data for presentation, e.g. stickers of different colours. Arrange and present data in a table as a picture graph. Explain reasons for drawing picture graphs. Read and interpret the data given in the table. Count and find the number of each category of items. Compare two or more sets of data in picture graphs using the terms 'more than', 'fewer than', 'most' and 'least'.
<b>1B Unit 11 Picture Graphs More picture graphs</b>	Pupils will be able to practise carrying out the whole process of collecting data, organising, drawing picture graphs and interpreting data. Pupils will be able to use the information provided to draw a picture graph on the numbers of rainy days and sunny days in a week. Pupils will be able to interpret the graph to work out whether there are more sunny days or rainy days and to count how many more.