

Maths: Progression of Skills

	Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions, Decimals, Ratio and Percentages	Measures	Geometry	Statistics
Y1 Autumn	Recite the numbers in order counting to 100, forwards and backwards, beginning with 0 or 1, or from any given number.	Subsidiise numbers to 6.	Find doubles to double 5 using fingers to help.		Compare, measure and begin to record lengths and heights using uni-form non-standard units.	Recognise, name and sort common 2D shapes. For example, rectangles (including squares), circles and triangles.	
	Estimate a set of objects and count to check how many (up to 50).	Given a number, identify one more and one less, any number up to 20.			Measure and begin to record lengths and heights, beginning to use standard units, e.g. cm, m.	Describe position, direction and movement, including whole, half, quarter and three- quarter turns.	
	Identify and represent numbers using objects and pictorial representations including the number line, images, sounds and actions up to 20, matching the number to the object or image (one-to-one correspondence).	Begin to know number bonds to 5, 6 and 7.			Recognise and know the value of different denominations of coins.		
	Read and write numbers from 1 to 20 in numerals and words.	Know bonds to 10 and use known addition facts for 10 to solve subtractions.			Find different combinations of small amounts up to 20p.		
	Understand and use 0 to represent the empty set.	Find the missing number in number sentences.					
	Compare and order numbers up to 20 and say a number between two numbers up to 20; begin to understand ordinal numbers.	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.					
	Recognise and understand that teen numbers are 10 and some 1s and begin to use this knowledge to compare numbers.	Use number facts and concrete objects to solve simple word problems.					
		Understand that you do not need to count the first number when adding.					
		Add 1-digit and 2-digit numbers to 20, including adding 1, 2 and 3 by counting on.					

		Subtract 1-digit and 2-digit numbers to 20, including subtracting 1, 2 and 3 by counting back.					
Y1 Spring	Locate 2-digit numbers on a bead string.	Represent and use number bonds and related subtraction facts within 20.	Find doubles to double 10.	Divide shapes into halves and quarters and recognise that a half is one of two equal pieces and that a quarter is one of four equal pieces.	Measure and record lengths and heights using uniform non-standard units and begin to use standard units.	Recognise, name and sort common 3D shapes. For example, cuboids (including cubes), pyramids and spheres.	Sort objects in a variety of ways, including using Carroll and Venn diagrams.
	Use the language of equal to, more than, less than (fewer), most, least to compare numbers.	Solve missing number problems and understand a symbol being used for an unknown.		Read $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{3}{4}$.	Consolidate knowledge of days of the week and the seasons and begin to know months of the year.		
	Count, read and write numbers to 100 in numerals.	Use number facts to solve problems in number stories.			Compare, describe and solve practical problems for time.		
	Estimate a quantity by choosing an appropriate range; count a quantity by grouping in 10s and 5s.	Know number bonds to 5, 6 and 7 and derive related subtraction facts.			Measure and begin to record time.		
	Begin to see 2-digit numbers as some 10s and some 1s.	Add 1-digit and 2-digit numbers to 20, including adding a 1-digit number to a 2-digit number by counting on.			Sequence events in chronological order using language. For example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening.		
	Given a number, identify one more and one less, any number up to 100.	Subtract 1-digit and 2-digit numbers to 20, including subtracting a 1-digit number from a 2-digit number by counting back.			Begin to tell the time to the hour and half past the hour on digital and analogue clocks and draw the hands on a clock face to show these times.		
	Count in multiples of 2s to 20.	Begin to know number bonds to 8 and 9.					
	Count in multiples of 5s to 50.	Add by putting the larger number first.					
	Count in multiples of 10s from 10 to 100, and back again, recognising that the multiples end in 0.						
	Count on and back in multiples of 10s, to and						

	from any number up to 100.						
Y1 Summer	Compare and order 2-digit numbers and say a number between two numbers.	Solve 1-step problems that involve addition or subtraction using concrete objects and pictorial representations.	Know doubles to double 10 and find related halves.	Recognise, find and name a quarter as one of four equal parts of an object or shape.	Compare, describe and solve practical problems, e.g. by direct comparisons, for lengths and heights, weight and capacity.	Identify and continue a repeating pattern of shapes.	Begin to create, read and interpret a block graph.
	Say the number 1 or 10 more or 1 or 10 less than any number up to 100.	Find 10 more than any number to 90 by counting on in 10s rather than counting on in 1s.	Begin to multiply by 2, 5 and 10 by counting in 2s, 5s and 10s, using repeated addition and spotting patterns.	Recognise, find and name a half as one of two equal parts of an object, shape or quantity.	Recognise and know the value of different denominations of coins and notes.	Identify and describe with reference to their properties common 2D and 3D shapes.	Read and interpret a simple pictogram.
	Identify patterns on a 100-square.	Find 10 less than any number to 100 by counting back in 10s rather than counting back in 1s.	Count in 2s, 5s and 10s to solve grouping problems.	Begin to halve odd numbers to 10.	Recognise and use language relating to dates, including days of the week, weeks, months and years.		
	Locate 2-digit numbers on a 1-100 grid and beaded line	Know pairs of numbers which make the numbers to 9 and derive related subtraction facts.	Solve 1-step problems involving multiplication by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.		Tell the time to the hour and half past the hour on digital and analogue clocks and draw the hands on a clock face to show these times.		
	Count in multiples of 2s to 20 and beyond, spotting patterns.	Bridge 10 when adding pairs of 1-digit numbers.			Measure and begin to record mass/weight.		
	Count in multiples of 5s to 50 and beyond and know that multiples of 5 end in 0 or 5.	Sort additions into those you 'just know' and those you work out.			Measure and begin to record capacity.		
	Identify 10s and 1s in 2-digit numbers, and say how many 10s and 1s in a given 2-digit number.	Add 1-digit and 2-digit numbers to 20, including using number facts to add 1-digit numbers to 2-digit numbers.			Find change from 10p and 20p using counting up and number facts.		
		Subtract 1-digit and 2-digit numbers to 20, including using number facts to subtract 1-digit numbers from 2-digit numbers.					
		Add 1-digit and 2-digit numbers to 20, including adding three small numbers using pairs to 10 and doubles.					