	KS1		KS2			
	Year 1	Year 2	Year3	Year 4	Year 5	Year 6
Addition and Subtraction	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. Represent and use number bonds and related subtraction facts within 20. Add and subtract one-digit and two-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.	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another number cannot. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. Add and subtract numbers using concrete objects, pictorial	Estimate the answer to a calculation and use inverse operations to check answers. Add and subtract numbers mentally, including: a 3-digit numbers and ones, a 3-digit number and tens, a 3-digit number and hundreds. Add and subtract numbers with up to 3-digits, using formal written methods of columnar addition and subtraction. Solve problems, including missing number problems, using number	Estimate and use inverse operations to check answers to a calculation. Add and subtract numbers with up to 4-digits using the formal written methods of columnar addition and subtraction where appropriate. Solve addition and subtraction 2-step problems in contexts, deciding which operations and methods to use and why.	Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. Add and subtract whole numbers with more than 4-digits, including using formal written methods (columnar addition and subtraction). Add and subtract numbers mentally with increasingly large numbers. Solve addition and subtraction multi-step problems in contexts, deciding which operations	Perform mental calculations, including with mixed operations and large numbers. Use their knowledge of the order of operations to carry out calculations involving the four operations. Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

		representations, and mentally, including: a two-digit number and ones, a two-digit numbers and tens, two two-digit numbers, adding three one-digit numbers. Solve problems with addition and subtraction: - Using concrete objects and pictorial representations, including those involving numbers, quantities and measures. - applying their increasing knowledge of mental and written methods.	facts, place value, and more complex addition and subtraction.		and methods to use and why. Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.	

Algebra						Use simple formulae Generate and describe linear number sequences. Express missing number problems algebraically. Find pairs of numbers that satisfy an equation with two unknowns. Enumerate possibilities of combinations of two variables.