			Purston Infant School – Progression in Mathematics			
			Number: Addition and Subtraction			
	Three and Four-Year Olds	Reception	ELG	Area	Year 1	Year 2
MENTAL CALCULATION				NUMBER BONDS	• represent and use number bonds and related subtraction facts within 20	• recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
		• Automatically recall number bonds for numbers 0-5 and some to 10.	• Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.	MENTAL CALCULATION	• add and subtract one-digit and two-digit numbers to 20, including zero	• add and subtract numbers using concrete objects, pictorial representations, and mentally, including: • a two-digit number and ones • a two-digit number and tens • two two-digit numbers • adding three one-digit numbers
					• read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (appears also in Written Methods)	• show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot

				WRITTEN METHODS	• read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (appears also in Mental Calculation)	
				INVERSE OPERATIONS, ESTIMATING AND CHECKING ANSWERS	• recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	
SOLVE PROBLEMS			• Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed evenly.	PROBLEM SOLVING	• solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = * - 9	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 * *solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change* (copied from Measurement)