CG Maths Progression Map – Addition/Subtraction

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Number facts (+/-)		given a number, identify one more and one less represent and use number bonds and related subtraction facts within 20	use place value and number facts to solve problems recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100				
Mental +/-	Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed evenly.	•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: TU+U, TU+T, TU+TU and U+U+U •show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot	add and subtract numbers mentally, including: HTU+U, HTU+T and HTU+H	Revise Y3 mental skills	•add and subtract numbers mentally with increasingly large numbers	•perform mental calculations, including with mixed operations and large numbers
Written +/-				•add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	•add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	•add and subtract whole numbers with more than 4 digits, including using formal written methods	
Problems +/-		•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, pictorial and abstract representations •recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	•estimate the answer to a calculation and use inverse operations to check answers •solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	•estimate and use inverse operations to check answers to a calculation •solve addition and subtraction two-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 •solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	