



## ADDITION AND SUBTRACTION YEAR 5

Strand	What do I already know?	What am I going to be learning?	What will I learn in Year 6?
<b>Mental Calculation</b>	Number bonds to 100 - Y1/2 + and – numbers to 20 – Y1 + and – two 2-digit numbers – Y2 Order doesn't matter (commutative) in addition Order does matter in subtraction – Y2 Y3 - add and subtract numbers mentally, including: * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds	add and subtract numbers mentally with increasingly large numbers	perform mental calculations, including with mixed operations and large numbers  use my knowledge of the order of operations to carry out calculations involving the four operations
<b>Written Methods</b>	Use + - = in Y1 add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction – Y3 add and subtract numbers with up to 4 digits using the formal written methods of column addition and subtraction where appropriate – Y4	add and subtract whole numbers with more than 4 digits, including using formal written methods (column addition and subtraction)	
<b>Inverse operations, estimating and checking</b>	Use inverse of + or – to check missing number calculations – Y2 estimate the answer to a calculation and use inverse operations to check answers – Y3 estimate and use inverse operations to check answers to a calculation – Y4	use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy	use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.
<b>Problem solving</b>	Solve 1-step problems, using pictures or objects to help – Y1 Solve problems using objects or pictures, including quantities and measures – Y2 solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction – Y3 solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why – Y4	solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	Solve problems involving addition, subtraction, multiplication and division
<b>Vocabulary</b>	Ones, tens, hundreds, thousands, add, sum, total, subtract, difference, inverse, operation, estimate, commutative, round		