Addition and Subtraction

Number Bonds			
Year 3	**Year 4**	**Year 5**	**Year 6**
KS1 recap: recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100.			
Mental Calculation			
KS1 recap: 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 **Year 3:** add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds 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 with increasingly large numbers. Use column and mental methods for addition and subtraction with decimals.	Use known facts to solve addition and subtraction problems mentally. Use the 'same difference' rule to simplify mental and written subtraction. Add and subtract numbers up to seven digits using mental and written methods. Use their knowledge of the order of operations to carry out calculations involving the four operations.
Written Methods			
Learn how to add from the least significant digit (on the right) to the most significant digit (on the left)	Add and subtract numbers with up to 4 digits using the formal written methods of column	Add and subtract whole numbers with more than 4 digits, including using formal written methods (column addition and subtraction)	Add and subtract whole numbers with more than 4 digits, including using formal written methods (column addition and subtraction)

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Regroup when a column adds up to 10 or more. Add numbers in each column in the most efficient order.	addition and subtraction where appropriate.		
Inverse operations, estimating and checking answers			
	Estimate and use inverse operations to check answers to a calculation.	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.