Help me do my Homework

Addition and Subtraction

Number Bonds					
Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
represent and use number bonds and related subtraction facts within 20 NB1, NB2	recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 NB3	number bonds with larger numbers* NB3 **Suggested by HMDMH, not on National Curriculum*	number bonds to 100* NB4 **Suggested by HMDMH, not on National Curriculum*		
Mental Calculation					
add and subtract one-digit and two-digit numbers to 20, including zero MC1, MC2	add and subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens MC3 * two two-digit numbers MC4 – MC8 * adding three one-digit numbers MC9	add and subtract numbers mentally, including: * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds * MC11, MC12		add and subtract numbers mentally with increasingly large numbers MC13 – MC17	perform mental calculations, including with mixed operations and large 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 MC10				use their knowledge of the order of operations to carry out calculations involving the four operations

Codes against objectives refer to videos within each topic section so you can find the lesson you need

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Written Methods					
Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (appears also in Mental Calculation)		add and subtract numbers with up to three digits, using formal written methods of column addition and subtraction WM1 – WM4	add and subtract numbers with up to 4 digits using the formal written methods of column addition and subtraction where appropriate WM5 WM6	add and subtract whole numbers with more than 4 digits, including using formal written methods (column addition and subtraction) WM7 – WM10	
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. IO1, IO2	estimate the answer to a calculation and use inverse operations to check answers IO3, IO4	estimate and use inverse operations to check answers to a calculation IO3, IO4	use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy IO5	use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.
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 problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

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