

Progression in Addition and Subtraction - 2014 National Curriculum

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.					
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.	recall and use addition and subtraction facts to 100 fluently and derive and use related facts up to 1000.	recall and use addition and subtraction facts to 1000 fluently.	recall and use number bonds fluently to help with near numbers e.g adding 11 or 19.	recall and use number bonds fluently to help with near numbers e.g adding 11 or 19.
add and subtract one-digit and two-digit numbers to 20 ($9 + 9$, $18 - 9$), including zero.	add and subtract numbers using concrete objects, pictorial representations, and mentally, including; <ul style="list-style-type: none"> - a two-digit number and ones. - a two-digit number and tens. - two two-digit numbers. - adding three one-digit numbers. 	add and subtract numbers mentally, including; <ul style="list-style-type: none"> - a three-digit number and ones. - a three-digit number and tens. - a three-digit number and hundreds. 	add and subtract numbers mentally, including; <ul style="list-style-type: none"> - a four-digit number and ones. - a four-digit number and tens. - a four-digit number and hundreds. - a four-digit number and thousands. 	add and subtract numbers mentally with increasingly large numbers.	perform mental calculations, including mixed operations and large numbers.
	show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.	recognise the other 3 number sentences from 1 given number sentence using knowledge of commutative and non-commutative law.	recognise the other 3 number sentences from 1 given number sentence using knowledge of commutative and non-commutative law.		
	add and subtract numbers up to two digits, begin to use efficient written methods of	add and subtract numbers with up to three digits, using the efficient written methods of	add and subtract numbers with up to 4 digits using the efficient written methods of	add and subtract whole numbers with more than 4 digits, including using efficient written	use efficient written methods of columnar addition and subtraction.

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	addition and subtraction.	columnar addition and subtraction.	columnar addition and subtraction where appropriate.	methods (columnar addition and subtraction).	
	recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.	estimate the answer to a calculation and use the inverse operations to check 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.
solve simple one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems.	solve simple one-step 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.