

National Curriculum Milestones Document

Addition and Subtraction

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Addition and subtraction	Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100	Add and subtract numbers mentally, including: a three-digit number and ones	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 (columnar addition and subtraction)	Perform mental calculations, including with mixed operations and large numbers
	Represent and use number bonds and related subtraction facts within 20	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones	Add and subtract numbers mentally, including: a three-digit number and tens	Estimate and use inverse operations to check answers to a calculation	Add and subtract numbers mentally with increasingly large numbers	Use their knowledge of the order of operations to carry out calculations involving the four operations
	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: a two-digit number and tens	Add and subtract numbers mentally, including: a three-digit number and hundreds	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

	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = [] - 9$	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: two two-digit numbers	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction		Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	Solve problems involving addition and subtraction
		Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: adding three one-digit numbers	Estimate the answer to a calculation and use inverse operations to check answers			Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy
		Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction			

		Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems				
		Solve problems with addition and subtraction: applying their increasing knowledge of mental and written methods				
		Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures				