

Add and Subtract

	Years 1 and 2	Years 3 and 4	Years 5 and 6
Complexity	<ul style="list-style-type: none"> - Solve one-step problems with addition and subtraction: - Using concrete objects and pictorial representations including those involving numbers, quantities and measures. - Using the addition (+), subtraction (-) and equals (=) signs. - Applying their increasing knowledge of mental and written methods. 	<ul style="list-style-type: none"> - Solve two-step addition and subtraction problems in contexts, deciding which operations and methods to use and why 	<ul style="list-style-type: none"> - Solve multi-step addition and subtraction problems in contexts, deciding which operations and methods to use and why.
Methods	<ul style="list-style-type: none"> - Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: - One-digit and two-digit numbers to 20, including zero. - A two-digit number and ones. - A two-digit number and tens. - Two two-digit numbers. 	<ul style="list-style-type: none"> - Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate. - Add and subtract numbers mentally, including: - A three-digit number and ones. 	<ul style="list-style-type: none"> - Add and subtract whole numbers with more than 4 digits, including using formal written methods. (columnar addition and subtraction) - Add and subtract numbers mentally with increasingly large numbers.

	<ul style="list-style-type: none"> - Adding three one-digit numbers. - Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. 	<ul style="list-style-type: none"> - A three-digit number and tens. - A three-digit number and hundreds 	
Checking	<ul style="list-style-type: none"> - Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems 	<ul style="list-style-type: none"> - Estimate and use inverse operations to check answers to a calculation 	<ul style="list-style-type: none"> - Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
Using number facts	<ul style="list-style-type: none"> - 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 	<ul style="list-style-type: none"> - Solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction. 	<ul style="list-style-type: none"> - Add and subtract negative integers.