

Addition and Subtraction – National Curriculum 2014

Foundation Stage	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Say which number is one more or one less than a given number</p> <p>Using quantities and objects, they add two single-digit numbers and count on to find the answer.</p> <p>Using quantities and objects, they subtract two single-digit numbers and count on or back to find the answer.</p> <p>They solve problems</p>	<p>Read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs</p> <p>Represent and use number bonds and related subtraction facts within 20</p> <p>Add and subtract one-digit and two-digit numbers to 20, including zero</p> <p>Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$.</p>	<p>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</p> <p>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</p> <p>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</p> <p>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</p> <p>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p>	<p>Add and subtract numbers mentally, including: § a three-digit number and ones § a three-digit number and tens § a three-digit number and hundreds Two 2-digit numbers across 100 (non-statutory guidance)</p> <p>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</p> <p>Estimate the answer to a calculation and use inverse operations to check answers</p> <p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</p>	<p>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate (So mental strategy as appropriate)</p> <p>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate</p> <p>Estimate and use inverse operations to check answers to a calculation</p> <p>Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p>	<p>Add and subtract numbers mentally with increasingly large numbers eg 5-digit – 4-digit multiple of 10</p> <p>Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)</p> <p>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p>	<p>Use their knowledge of the order of operations to carry out calculations involving the four operations</p> <p>Perform mental calculations, including with mixed operations and large numbers</p> <p>Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</p> <p>Solve problems involving addition, subtraction, multiplication and division</p>

- Recall of facts
- Rounding and estimating to calculate
- Mental Calculation
- Solving problems
- Written Calculation