

# Maths - Addition & Subtraction

## The Federation of Nettlestone & Newchurch

Maths - Addition & Subtraction					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<ul style="list-style-type: none"> <li>• I can represent and use number bonds and related subtraction facts within 20(KPI)</li> <li>• I can represent and use number bonds within 20</li> <li>• I can read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</li> <li>• I can add and subtract one-digit</li> <li>• I can solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations</li> <li>• I can add and subtract two-digit numbers to 20, including zero</li> <li>• I can add and subtract one-digit and two-digit numbers to 20, including zero</li> </ul>	<ul style="list-style-type: none"> <li>• I can recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100 (KPI)</li> <li>• I can use concrete objects and pictorial representations including those involving numbers, quantities and measure (KPI)</li> <li>• I can solve problems with addition and subtraction applying his/her increasing knowledge of mental and written methods (KPI)</li> <li>• I can 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</li> </ul>	<ul style="list-style-type: none"> <li>• I can add and subtract numbers mentally, including: a three-digit number and ones a three-digit number and hundreds a three-digit number and tens (KPI)</li> <li>• I can estimate the answer to a calculation and use inverse operations to check answers</li> <li>• I can interpret and present data using bar charts, pictograms and tables(statistics)</li> <li>• I can solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> <li>• I can solve 1-step and 2-step questions such as 'How many more' using information presented in scaled bar charts,</li> </ul>	<ul style="list-style-type: none"> <li>• I can solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why (KPI)</li> <li>• I can estimate and use inverse operations to check answers to a calculation</li> <li>• I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs (statistics)</li> <li>• I can solve comparison sum and difference problems using information presented in bar charts, pictograms tables and other graphs (statistics)</li> <li>• I can add and subtract numbers with up to 4 digits using the formal written methods of</li> </ul>	<ul style="list-style-type: none"> <li>• I can add and subtract whole numbers with more than 4 digits, including using formal written methods (Columnar addition and subtraction) (KPI)</li> <li>• I can add and subtract numbers mentally with increasingly large numbers (e.g. 12,462-2,300=10,162) (KPI)</li> <li>• I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. (KPI)</li> <li>• I can complete, read and interpret information in tables, including timetables (Statistics)</li> <li>• I can use rounding to check answers to</li> </ul>	<ul style="list-style-type: none"> <li>• I can use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.(KPI)</li> <li>• I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why (KPI)</li> <li>• I can generate and describe linear number sequences</li> <li>• I can perform mental calculations, including with mixed operations and large numbers.</li> <li>• I can solve problems involving addition, subtraction, multiplication and division</li> <li>• I can use my knowledge of the order of operations to carry out</li> </ul>

<ul style="list-style-type: none"> <li>• I can solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \quad - 9</math></li> </ul>	<ul style="list-style-type: none"> <li>• I can add 3 1-digit numbers</li> <li>• I can show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> <li>• I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity (statistics)</li> <li>• I can ask and answer questions about totalling and comparing categorical data (statistics)</li> <li>• I can interpret and construct simple pictograms, tally charts and block diagrams and simple tables (statistics)</li> </ul>	<p>pictograms and tables (statistics)</p> <ul style="list-style-type: none"> <li>• I can solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul>	<p>columnar addition and subtraction where appropriate</p>	<p>calculations and determine, in the context of a problem, levels of accuracy</p> <ul style="list-style-type: none"> <li>• I can solve comparison, sum and difference problems using information presented in a line graph (Statistics)</li> <li>• I can use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</li> </ul>	<p>calculations involving the four operations.</p> <ul style="list-style-type: none"> <li>• I can find pairs of numbers that satisfy number sentences involving two unknowns (algebra).</li> <li>• I can use simple formula (algebra)</li> <li>• I can find pairs of numbers that satisfy number sentences involving two unknowns (algebra)</li> <li>• I can enumerate all possibilities of combinations of two variables (algebra).</li> <li>• I can express missing number problems algebraically (algebra)</li> </ul>
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