

<b>Year 6 – Area 2: calculation</b>		<b>2014/2015</b>
<b>Key vocabulary:</b>	<p>problem, solution, calculate, calculation, equation, operation, answer, method, explain, reasoning, reason, predict, relationship, rule, formula, pattern, sequence, term, consecutive</p> <p>place value, digit, numeral, partition, decimal point, decimal place, thousands, ten thousands, hundred thousands, millions, tenths, hundredths, positive, negative, above/below zero, compare, order, ascending, descending, greater than (&gt;), less than (&lt;), round, estimate, approximately</p> <p>add, subtract, multiply, divide, sum, total, difference, plus, minus, product, quotient, remainder</p>	
<b>National Curric Objectives for this area:</b>	<ul style="list-style-type: none"> <li>• multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication</li> <li>• divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context</li> <li>• divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context</li> <li>• perform mental calculations, including with mixed operations and large numbers</li> <li>• identify common factors, common multiples and prime numbers</li> <li>• use their knowledge of the order of operations to carry out calculations involving the four operations</li> <li>• solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</li> <li>• solve problems involving addition, subtraction, multiplication and division</li> <li>• use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</li> </ul>	