



## Medium-term planning Spring 2

W	Topic	Curriculum objective
1	Addition and subtraction: mental and written methods for large numbers	<ul style="list-style-type: none"> <li>To add and subtract whole numbers with more than 4 digits, including using efficient written methods (columnar addition and subtraction).</li> <li>To add and subtract numbers mentally with increasingly large numbers.</li> <li>To solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</li> <li>To use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</li> </ul>
2	Multiplication and division: written methods	<ul style="list-style-type: none"> <li>To multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.</li> <li>To multiply numbers up to 4 digits by a one- or two-digit number using an efficient written method, including long multiplication for two-digit numbers.</li> <li>To divide numbers up to 4 digits by a one-digit number using the efficient written method of short division and interpret remainders appropriately for the context.</li> <li>To solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.</li> </ul>
3	Calculating with fractions	<ul style="list-style-type: none"> <li>To recognise mixed numbers and improper fractions and convert from one form to the other; write mathematical statements <math>&gt; 1</math> as a mixed number: <math>\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}</math>.</li> <li>To add and subtract fractions with the same denominator and multiples of the same number.</li> <li>To multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.</li> </ul>
4	Percentages	<ul style="list-style-type: none"> <li>To recognise the per cent symbol (%) and understand that per cent relates to "number of parts per hundred", and write percentages as a fraction with denominator hundred, and as a decimal fraction.</li> </ul>
5	Capacity	<ul style="list-style-type: none"> <li>To convert between different units of measure (kilometre and metre; metre and centimetre; centimetre and millimetre; kilogram and gram; litre and millilitre).</li> <li>To understand and use basic equivalences between metric units and common imperial units such as inches, pounds and pints.</li> <li>To estimate volume and capacity</li> <li>To use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation including scaling</li> </ul>
6	Line graphs/ comparative graphs	<ul style="list-style-type: none"> <li>To solve comparison, sum and difference problems using information presented in a line graph.</li> </ul>
<b>Assess and review</b>		<ul style="list-style-type: none"> <li>To assess the half-term's work.</li> </ul>