



# Medium-term planning Spring 1

W	Topic	Curriculum objective
1	Number, place value and rounding	<ul style="list-style-type: none"> <li>To find 1000 more or less than a given number.</li> <li>To recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).</li> <li>To order and compare numbers beyond 1000.</li> <li>To identify, represent and estimate numbers using different representations.</li> <li>To round any number to the nearest 10, 100 or 1000.</li> <li>To solve number and practical problems that involve all of the above and with increasingly large positive numbers.</li> <li>To read Roman numerals to 100 (I to C) and understand how, over time, the numeral system changed to include the concept of zero and place value.</li> </ul>
2	Mental and written addition and subtraction	<ul style="list-style-type: none"> <li>To add and subtract numbers with up to four digits using the efficient written methods of columnar addition and subtraction where appropriate.</li> <li>To estimate and use inverse operations to check answers to a calculation.</li> <li>To solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</li> <li>To estimate, compare and calculate different measures, including money in pounds and pence.</li> </ul>
3	Mental and written multiplication	<ul style="list-style-type: none"> <li>To recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math>.</li> <li>To use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.</li> <li>To multiply two-digit and three-digit numbers by a one-digit number using formal written layout.</li> <li>To solve problems involving multiplying and adding, including using the distributive law and harder multiplication problems such as which <math>n</math> objects are connected to <math>m</math> objects.</li> </ul>
4	Mental and written division	<ul style="list-style-type: none"> <li>To recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math>.</li> <li>To use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.</li> </ul>
5	Fractions	<ul style="list-style-type: none"> <li>To count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten.</li> <li>To solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.</li> <li>To recognise and show, using diagrams, families of common equivalent fractions.</li> </ul>
6	Fractions and decimals	<ul style="list-style-type: none"> <li>To recognise and write decimal equivalents of any number of tenths or hundredths.</li> <li>To recognise and write decimal equivalents to <math>\frac{1}{4}</math>; <math>\frac{1}{2}</math>; <math>\frac{3}{4}</math>.</li> <li>To find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths.</li> <li>To round decimals with one decimal place to the nearest whole number.</li> <li>To compare numbers with the same number of decimal places up to two decimal places.</li> <li>To solve simple measure and money problems involving fractions and decimals to two decimal places.</li> </ul>
<b>Assess and review</b>		<ul style="list-style-type: none"> <li>To assess the half-term's work.</li> </ul>