



# Medium-term planning Autumn 1

YEAR 6

W	Title	Curriculum objective
1	Place value and rounding off	<ul style="list-style-type: none"><li>• To read, write, order and compare numbers at least to 10,000,000 and determine the value of each digit.</li><li>• To round any whole number to a required degree of accuracy.</li><li>• To solve number problems and practical problems that involve all of the above.</li></ul>
2	Mental and written addition and subtraction of large numbers	<ul style="list-style-type: none"><li>• To perform mental calculations, including with mixed operations and large numbers.</li><li>• To solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</li></ul>
3	Multiples, factors and prime numbers	<ul style="list-style-type: none"><li>• To perform mental calculations, including with mixed operations and large numbers.</li><li>• To identify common factors, common multiples and prime numbers.</li><li>• To solve problems involving addition, subtraction, multiplication and division.</li></ul>
4	Written methods for multiplication and division: HTU $\times$ TU and HTU $\times$ U	<ul style="list-style-type: none"><li>• To multiply multi-digit numbers up to 4 digits by a two-digit whole number using the efficient written method of long multiplication.</li><li>• To divide numbers up to 4 digits by a two-digit whole number using the efficient written method of long division, and interpret remainders as whole number remainders, fractions or by rounding, as appropriate for the context.</li><li>• To solve problems involving addition, subtraction, multiplication and division.</li><li>• To use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.</li></ul>
5	Circles and angles	<ul style="list-style-type: none"><li>• To illustrate and name parts of circles, including radius, diameter and circumference.</li><li>• To recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.</li></ul>
6	Units of measure	<ul style="list-style-type: none"><li>• To solve problems involving the calculation and conversion of units of measure, using decimal notation to three decimal places where appropriate.</li><li>• To use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa using decimal notation to three decimal places.</li><li>• To convert between miles and kilometres.</li></ul>
<b>Assess and review</b>		<ul style="list-style-type: none"><li>• To assess and review the half-term's work.</li></ul>