

Year 6 Long Term Overview Autumn Term

Week	Objective (+20-30 minutes of revision daily always including times tables)
1	Place Value <ul style="list-style-type: none"> Understand place value in 6-digit numbers and 3 place decimals by recording numbers and identifying the value of each digit Order and compare 6-digit numbers and 3 place decimals Multiply and divide by 10, 100 and 1000 with answers up to and including 6-digit numbers and 3-place decimals
2	Addition and Subtraction <ul style="list-style-type: none"> Use mental addition strategies to solve additions Solve addition / subtraction of 5 and 6 digit numbers using column method Add / subtract decimal numbers using mental strategies Add and subtract decimal numbers using column addition, amounts of money using column addition and solve problems involving numbers up to 3 decimal places Choose an appropriate method to solve decimal addition: either mental or written column addition and solve problems involving numbers up to 3 decimal places solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
3	Converting Measure <ul style="list-style-type: none"> solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate 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 up to three decimal places convert between miles and kilometres (Non Stat.) Pupils could be introduced to compound units for speed, such as miles per hour, and apply their knowledge in science or other subjects as appropriate.
4	Long Multiplication <ul style="list-style-type: none"> Multiply numbers up to 4 digits by a 2 digit number using the formal written method of long multiplication. Multiply one-digit numbers with up to 2 decimal places by whole numbers eg 2.69×4
5	Division <ul style="list-style-type: none"> Use short division to divide numbers with up to 4 digits, giving remainders as r, fractions and decimals 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
6	Halving <ul style="list-style-type: none"> Find $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{8}$ of a number including decimals using mental strategies by partitioning and recombining Test
7	Negative Numbers <ul style="list-style-type: none"> use negative numbers in context, and calculate intervals across zero (non-stat) using the number line, pupils use, add and subtract positive and negative integers for measures such as temperature. Test
HALF TERM	

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Autumn Part 2 <u>To cover in mental starters:</u> Rounding decimals, division, finding fractions of amounts, converting measures, calculations (+ - x ÷), missing numbers	
8	<p>Division (revisit)</p> <ul style="list-style-type: none"> Use short division to divide numbers with up to 4 digits, giving remainders as r, fractions and decimals 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 <p>Factors, multiples, prime and square numbers</p> <ul style="list-style-type: none"> identify common factors, common multiples and prime numbers
9	<p>Adding and Subtracting Fractions</p> <ul style="list-style-type: none"> Recap simplifying fractions by finding common factors/multiples add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions (non stat) Pupils should practise, use and understand the addition and subtraction of fractions with different denominators by identifying equivalent fractions with the same denominator. They should start with fractions where the denominator of one fraction is a multiple of the other (for example, $\frac{1}{2} + \frac{1}{8} = \frac{5}{8}$) and progress to varied and increasingly complex problems.
10	<p>Multiply Fractions</p> <ul style="list-style-type: none"> (Year 5) multiply proper fractions and mixed numbers by whole numbers - recap multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$] Solve problems
11	<p>Divide Fractions</p> <ul style="list-style-type: none"> divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$] Solve problems
12	<p>Fractions, decimals and percentages</p> <ul style="list-style-type: none"> associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$] recall and use equivalences between simple fractions, decimals and percentages, including in different contexts (including ordering)
13	<p>Percentages</p> <ul style="list-style-type: none"> solve problems involving the calculation of percentages [for example, of measures and such as 15% of 360] and the use of percentages for comparison
14	<ul style="list-style-type: none"> Assess & Review