



Maths Curriculum Year 6 : Summer 2 Medium Term Planning

W	Title	Curriculum objective
1	Calculations: Number and Place Value Solving problems involving money	To multiply multi-digit numbers up to 4 digits by a two-digit whole number using the efficient written method of long multiplication. 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. To perform mental calculations, including with mixed operations and large numbers. To use their knowledge of the order of operations to carry out calculations involving the four operations. To solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. To solve problems involving addition, subtraction, multiplication and division. To use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.
2	Algebra Number puzzles	To express missing number problems algebraically. To use simple formulae expressed in words. To generate and describe linear number sequences. To find pairs of numbers that satisfy number sentences involving two unknowns. To enumerate all possibilities of combinations of two variables.
3	Fractions Fractions with different denominators	To multiply simple pairs of proper fractions, writing the answer in its simplest form ($1/4 \div 1/2 = 1/8$). To use common factors to simplify fractions; use common multiples to express fractions in the same denomination. To add and subtract fractions with different denominators and mixed numbers using the concept of equivalent fractions.
4	Fractions, Decimals and Percentages Problems involving percentages and decimals	To solve problems involving the calculation of percentages of whole numbers or measures such as 15% of 360 and the use of percentages for comparison. To recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.
5	Measure Problems involving measures	To solve problems involving the calculation and conversion of units of measure, using decimal notation to three decimal places where appropriate 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 large unit and vice versa, using decimal notation to three decimal places.
6	Statistics using data	To interpret and construct pie charts and line graphs and use these to solve problems. To calculate and interpret the mean as an average.
Assess and review		To assess and review the half-term's work.