Medium-term planning Summer 2

W	Title	Curriculum objective
1	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	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 with different denominators	• To multiply simple pairs of proper fractions, writing the answer in its simplest form ($\frac{1}{4} \div \frac{1}{2} = \frac{1}{8}$). • 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	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	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	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.

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