Medium-term planning Summer 1

W	Title	Curriculum objective
1	Problems involving number	• To read, write, order and compare numbers up to 10,000,000 and determine the value of each digit. • To round any whole number to a required degree of accuracy. • To use negative numbers in context and calculate intervals across zero. • To solve number problems and practical problems that involve all the above.
2	Adding and subtracting large and small numbers	• To perform mental calculations, including with mixed operations and large numbers. • To solve addition and subtraction multi-step problems in contexts, deciding which operations to use and why. • To use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.
3	Long multiplication and division	• To multiply multi-digit numbers up to 4 digits by a two-digit whole number using the efficient written methods of long multiplication. • To divide numbers up to 4 digits by two digit whole numbers 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 use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.
4	Working with fractions	• To add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions. • To multiply simple pairs of proper fractions, writing the answer in its simplest form. • To divide proper fractions by whole numbers.
5	Problems involving percentages, fractions and decimals	• To solve problems involving the calculation of percentages of whole numbers or measures and the use of percentages for comparison. • To recall and use equivalences between simple fractions, decimals and percentages including in different contexts.
6	Ratio and proportion	• To solve problems involving the relative size of two quantities where missing values can be found by using integer multiplication and division facts. • To solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. • To solve problems involving similar shapes where the scale factor is known or can be found.
Assess and review		• To assess and review the half-term's work.

Stukeley Federation