YEAR 6

W	Title	Curriculum objective
1	Written methods for multiplication and division	• 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 efficient written methods of long division and interpret remainders as whole numbers, remainders, fractions or by rounding as appropriate in the context.
2	Comparing, ordering and simplifying fractions	• To compare and order fractions, including fractions >1. • To use common factors to simplify fractions; use common multiples to express fractions in the same denomination.
3	Multiplying decimals by 10, 100 and 1000	• To identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100, 1000 where the answers are up to three decimal places. • To solve problems which require answers to be rounded to specified degrees of accuracy.
4	Order of operations	• 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.
5	2D and 3D shapes	• To draw 2D shapes using given dimensions and angles. • To compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons. • To recognise, describe and build simple 3D shapes, including making nets.
6	Pie charts	• To interpret and construct pie charts and line graphs and use these to solve problems.
Assess and review		• To assess and review the half-term's work.