Year group:	YEAR 6
	High Value Targets
Number and place value	-Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit. -Order and compare numbers including integers, decimals and negative numbers. -Round decimals with three decimal places to the nearest whole number or one or two decimal places. -Multiply and divide numbers by 10, 100 and 1000. -Describe and extend number sequences including those with multiplication and division steps, inconsistent steps, alternating steps and those where the step size is a decimal.
Addition	-Recall and use addition facts for 1 (with decimals to two decimal places). -Perform mental calculations including with mixed operations and large numbers and decimals. -Add whole numbers and decimals using formal written methods (columnar addition). -Solve addition multi-step problems in contexts.
Subtraction	-Recall and use subtraction facts for 1 (with decimals to two decimal places). -Perform mental calculations including with mixed operations and large numbers and decimals. -Subtract whole numbers and decimals using formal written methods (columnar subtraction). -Solve subtraction multi-step problems in contexts.
Multiplication	-Perform mental calculations, including with mixed operations and large numbers. -Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication. -Multiply one-digit numbers with up to two decimal places by whole numbers. Solve problems including those with missing numbers.
Division	-Perform mental calculations, including with mixed operations and large numbers. -Divide numbers up to 4 digits by a two-digit whole number using the formal written methods of short or long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context. -Use written division methods in cases where the answer has up to two decimal places. Solve problems including those with missing numbers.
Fractions, decimals and percentages	-Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. -Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions. -Multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. ¼ x ½ =1/8). -Solve problems involving fractions. -Solve problems involving the calculation of percentages (e.g. of measures and such as 15% of 260) and the use of percentages for comparison.