Medium-term planning Autumn 2

W	Topic	Curriculum objective
1	Counting and estimating	• To add and subtract numbers mentally, including: ○ a three-digit number and ones ○ a three-digit number and tens ○ a three-digit number and hundreds. • To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
2	Addition and subtraction of two- and three-digit numbers, using a number line and columns	• To add and subtract numbers with up to three digits, using the efficient written methods of columnar addition and subtraction. • To estimate the answer to a calculation and use inverse operations to check answers. • To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
3	Multiplication and division: doubling, halving and TU × U	• To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. • To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects.
4	Fractions: representing, comparing and ordering unit fractions of shapes and numbers	• To recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. • To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. • To compare and order unit fractions, and fractions with the same denominators. • To solve problems that involve all of the above.
5	Read and write time to 5 minute intervals	• To tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks. • To estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as am/pm, morning, afternoon, noon and midnight. • To know the number of seconds in a minute and the number of days in each month, year and leap year. • To compare durations of events, for example to calculate the time taken by particular events or tasks.
6	Read, present and interpret pictograms and tables	• To interpret and present data using bar charts, pictograms and tables • To solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.
Assess and review		• To assess the half-term's work.