Autumn 1

	Maths Curriculum Objectives	Arithmetic Focus
Week 1 Number & Place Value	To read and write numbers up to 10,00 and determine the value of each digit To read and write numbers up to 100,000 and determine the value of each digit To read and write numbers up to 1 million and determine the value of each digit	Columnar addition with and without carrying (numbers with 4 or more digits)
Week 2 Number & Place Value	To read and write numbers up to 10 million and determine the value of each digit To read and write numbers with up to 2dp and determine the value of each digit To read and write numbers with up to 3dp and determine the value of each digit To order and compare numbers up to 10,000,000	Columnar addition with and without carrying (numbers with 4 or more digits)
Week 3 Number & Place Value	To round any number up to 1 000 000 to the nearest 10, 100, 1000 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 and practical problems that involve all of the above	Columnar subtraction with and without exchanging (numbers with 4 or more digits)
Week 4 Addition & Subtraction Multiplication	To add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction (Y5 revision) To use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy To solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why To multiply numbers up to 4 digits by a one digit number using a formal written method of short multiplication (Y5 revision)	Columnar subtraction with and without exchanging (numbers with 4 or more digits)
Week 5 Multiplication &	To multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication	Short multiplication (4 digits by 1 digit and 2 digits by 2 digits)

Division	To divide numbers up to 4 digits by a one-digit number using the formal written method of short division (Y5 revision) To divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division To divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context	
Week 6 Multiplication & Division	To identify common factors, common multiples and prime numbers To recognise and use square numbers and cube numbers, and the notation for squared (^{2}) and cubed (^{3}) To use their knowledge of the order of operations to carry out calculations involving the 4 operations To solve problems involving addition, subtraction, multiplication and division	Short division (4 digits by 1 digit)
Week 7 Geometry - Position and Direction	To describe positions on the full coordinate grid (all 4 quadrants) To identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed (Y5 revision) To draw and translate simple shapes on the coordinate plane, and reflect them in the axes	Mixed columnar addition & subtraction and short multiplication & division