LPS Year 6 Autumn

Place Value Whole Numbers 2 weeks	Place Value Decimals 2 Weeks	Addition and Subtraction 2 Weeks	Property of number 2 weeks	Multiply and divide powers of 10 2 weeks	Area and Volume 1 week	Multiplication and division 3 weeks	Consolidation 1 week
Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit	Identify the value of each digit in numbers given to three decimal places	Perform mental calculations, including with mixed operations and large numbers	Identify common factors, common multiples and prime numbers	Multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places	Recognise when it is possible to use formulae for area and volume of shapes	Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication	Based on summative assessment teach to GAPS.
Round any whole number to a required degree of accuracy		Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why			Recognise that shapes with the same areas can have different perimeters and vice versa	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	Focus on blue objectives
Use negative numbers in context, and calculate intervals across zero		Solve problems involving addition, subtraction, multiplication, and division			Calculate the area of parallelograms and triangles	Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context	
Solve number and practical problems that involve all of the above.		Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.			Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm^3) and cubic metres (m^3), and extending to other units [for example, mm^3 and km^3].	Solve problems involving addition, subtraction, multiplication and division	
		Understand that 2 numbers can be related additively or multiplicatively and quantify additive and multiplicative relationships (multiplicative relationships restricted to multiplication by a whole number).				Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.	
		Use a given additive or multiplicative calculation to derive or complete a related calculation, using arithmetic properties,					
Millions Ten millions						Long division	

Make links to measurement across every number unit and statistics in place value and addition/subtraction
Include reasoning and problem solving in all units
Green statements are ready to progress, red is additional information, blue are key objectives