Year 5- Yearly Overview

	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10	Wk11	Wk12	Wk13	Wk14
Autumn	5.1 Number: Place Value Addition & Subtraction (length)			5.2 Multiplication & Division Measurement (Area and arrays)			5.3 Fractions	5.4 Fractions & Geometry Measurement (time)				5.5 Number: Place Value with Measurement (Mass, Capacity) and all four operations		
	Measurement: Utilise everyday opportunities to convert units using place value understanding and knowledge of table facts.													
Spring	5.6 Fractions (%) & Geometry			5.7 Subtraction & Addition (whole numbers and fractions)			5.8 Statistics	5.9 Fractions with Measurement (volume, capacity, metric and imperial)			5.10 Subtraction & Addition (mental strategies)		5.11 Multiplication & Division (tables and related facts)	
	Measurement: Utilise everyday opportunities to convert units using place value understanding and knowledge of table facts. Practise mental strategies using facts, related derived facts and place value knowledge such as adding 99, adding 0.99, near doubles etc.													
Summer	5.12 Multiplication & Division			5.13 Geometry			5.14 All four operations (mixed problem solving)		5.15 Addition & Subtraction (secure formal)		5.16 Fractions (%) with geometry		5.17 Multiplication & Division (secure formal)	5.18 All four operations with decimals and measure

FUNDAMENTALS

- Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit
- Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000
- Solve number problems and practical problems that involve all of the above
  Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
  Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers
- Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers
- Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context
- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000
- Solve problems involving multiplication and division including using their knowledge of factors and multiples,
- Compare and order fractions whose denominators are all multiples of the same number
- Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths
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- Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, 2/5 + 4/5 = 6/5 = 1 1/5]
- Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams
- Read and write decimal numbers as fractions [for example, 0.71 = 100 71]
- Round decimals with two decimal places to the nearest whole number and to one decimal place
- Read, write, order and compare numbers with up to three decimal places
- Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal
- Solve problems which require knowing percentage and decimal equivalents of ½ , ¼ , 1/5 , 2/5 , 4/5 and those fractions with a denominator of a multiple of 10 or 25.
- Solve problems involving converting between units of time
- Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.
- Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.
- Draw given angles, and measure them in degrees (o).
- Complete, read and interpret information in tables, including timetables.