

YEAR 5: MATHS YEARLY & MID TERM PLANNING

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Half Term	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number: Place Value			Number: Addition and Subtraction				Number: Multiplication and Division				Statistics	
	Read, write, order and compare numbers to at least 1000000 Count forwards or backwards in steps of powers of 10 for any given number up to 1000000.	Round any number up to 1000000	Interpret negative numbers. Solve number problems and practical problems that involve all of the above. Read Roman numerals to 1000 (M)	Add and subtract numbers mentally Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.	Add and subtract (and solve problems with) whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)			Multiply and divide numbers mentally drawing upon known facts. Identify multiples and factors, of numbers	Recognise and use square numbers and cube numbers and the notation for squared (2) & cubed (3). Multiply and divide whole numbers by 10, 100 and 1000.	Multiply numbers using a formal written method, including long multiplication for 2 digit numbers.	Divide numbers up to 4 digits by a one digit number using the formal written method of short division.	Complete, read and interpret information in tables including timetables.	
Spring	Number: Fractions							Number: Decimals			Number: Percentages		
	Equivalent fractions	Compare and order fractions whose denominators are multiples of the same number.	Add and subtract fractions with the same denominator	Recognise mixed numbers and improper Fractions, proper fractions and mixed numbers by whole numbers.		Read and write decimal numbers as fractions.		Recognise and use thousandths and relate them to decimal equivalents.	Read, write, order and compare numbers with up to 3dp Multiply and divide involving decimals	Round decimals	Recognise the per cent symbol (%) Write percentages as a fraction/ decimal.	Solve problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25.	
Summer	Geometry: Angles		Geometry: Shapes		Geometry: Position and Direction			Number: Prime numbers	Measurement: Converting units			Perimeter and Area	Measures: Volume
	Know angles are measured in degrees; estimate and compare angles. Draw and measure given angles.	Identify: whole turn (total 360°), straight line and ½ a turn (total 180°) other multiples of 90°.	Use the properties of rectangles to find missing lengths and angles. Regular and irregular polygons	Identify 3D shapes, from 2D representations.	Reflection and translation			Prime numbers, prime factors and composite (non-prime) numbers.	Convert between different units of metric measure (for example, km and m; cm and m; cm and mm; g and kg; l and ml).	Equivalences between metric units and common imperial units.	Solve problems involving converting between units of time.	Measure and calculate the perimeter and area of composite rectilinear shapes. Estimate the area of irregular shapes.	Estimate volume (for example using 1cm ³ blocks to build cuboids (including cubes) and capacity

- Each Term will include a week for assessments. Exact dates to be confirmed by DH for Teaching and Learning.