

MATHEMATICS MEDIUM TERM PLAN 2017-18

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6		Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	
Autumn	Number: Place Value		Number: Addition and Subtraction				Half Term	Number: Multiplication and Division				Measurement		
	To identify, represent and estimate numbers using different representations. Read and write numbers up to 1000 in words and numerals. To compare and order numbers up to 1000.	To find 10 or 100 more or less than a given number. Count from 0 in multiples of 50 and 100. To solve number problems and practical problems using these ideas.	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens; a three digit number and hundreds.	Estimate the answer to a calculation and use inverse operations to check answers.	Solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction.	Review learning from this half term and assess children.		Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.	Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs.	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in context.	Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.	Measure, compare, add and subtract: lengths (m/cm/mm)	Measure the perimeter of simple 2D shapes. Continue to measure using the appropriate tools and units, progressing to using a wider range of measures, including comparing and using mixed and simple equivalents of mixed units.	
Spring	Number: Multiplication and Division			Measurement				Half Term	Number: Fractions				Consolidation	
	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.	Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental methods and progressing to formal written methods.	Solve problems including missing number problems involving multiplication and division, positive integer scaling problems and correspondence problems in which n objects are connected to m objectives.	Tell and write the time from an analogue clock, including using Roman numerals, 12-hour and 24-hour clocks	Use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight. Record and compare time in terms of seconds, minutes and hours. Estimate and read time with increasing accuracy to the nearest minute	Know the number of seconds in a minute and the number of days in each month, year and leap year Compare durations of events [e.g. calculate the time taken by particular events or tasks].			Recognise that tenths arise from dividing an object into 10 equal parts and in dividing onedigit numbers or quantities by 10.	Recognise that tenths arise from dividing an object into 10 equal parts and in dividing onedigit numbers or quantities by 10. Count up and down in tenths. Recognise that tenths arise from dividing an object into 10 equal parts and in dividing onedigit numbers or quantities by 10.	Recognise, find and write fractions of a discrete set of objects: unit fractions and nonunit fractions with small denominators.	Recognise, find and write fractions of a discrete set of objects: unit fractions and nonunit fractions with small denominators.	Consolidation	Consolidation

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	Number: Fractions				Geometry: Property of Shapes			Measurement				Statistics	Consolidation
	Summer	Compare and order unit fractions, and fractions with the same denominators.	Recognise and show, using diagrams, equivalent fractions with small denominators.	Add and subtract fractions with the same denominator within one whole.	Solve problems that involve all of the above. Review and assess.	Recognise angles as a property of shape or a description of a turn. Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle. Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.		Draw 2-D shapes and make 3-D shapes using modelling materials. Recognise 3-D shapes in different orientations and describe them.		Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).	Continue to measure using the appropriate tools and units, progressing to using a wider range of measures, including comparing and using mixed units (for example, 1kg and 200g) and simple equivalents of mixed units (for example, 5m = 500cm).	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. Review and assess

Blue= Number Green = Geometry Yellow= Measurement Statistics= Pink Consolidation= White