	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	**Place Value** • identify, represent and estimate numbers to 1000 using different representations • recognise the place value of each digit in a three-digit number (hundreds, tens, ones) • compare and order numbers up to 1000 • read and write numbers up to 1000 in numerals and in words • count from 0 in multiples of 100 • find 10 or 100 more or less than a given number • solve number problems and practical problems involving these ideas • count from 0 in multiples of 4, 8 50 and 100			**Addition and Subtraction** • add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three-digit number and hundreds • add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction • estimate the answer to a calculation and use inverse operations to check answers					**Multiplication and Division A** • recall and use multiplication and division facts for the 3 and 4 and 8 multiplication tables • solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects • recall and use multiplication and division facts for the 3 and 4 and 8 multiplication tables • solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects		
		Baseline Assessment			Place Value Assessment			Times tables check (2,5 and 10)		Addition and Subtraction Assessment		**Autumn term progress checks** **Paper 1 – Arithmetic** **Paper 2 - Reasoning**

	1	2	3	4	5	6	7	8	9	10	11	12
Spring	<u>Multiplication and Division B</u> • recall and use multiplication and division facts for the 3 and 4 and 8 multiplication tables • solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects • recall and use multiplication and division facts for the 3 and 4 and 8 multiplication tables • solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects			<u>Measurement Length and Perimeter</u> • measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) • measure the perimeter of simple 2-D shapes • solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction			<u>Fractions A</u> • recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators • recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators • count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 • recognise and show, using diagrams, equivalent fractions with small denominators • add and subtract fractions with the same denominator within one whole [e.g. $\frac{5}{7}+\frac{1}{7}=\frac{6}{7}$] • compare and order unit fractions, and fractions with the same denominators • solve problems that involve all of the above				<u>Measurement Mass and Capacity</u> • measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) • solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	
	Multiplication and Division A Assessment			Times tables check (3,4 and 8)	Multiplication and Division B Assessment			Measurement Length and Perimeter Assessment			Fractions A Assessment	**Spring term progress checks** **Paper 1 – Arithmetic** **Paper 2 - Reasoning**

	1	2	3	4	5	6	7	8	9	10	11	12
Summer	**Fractions B** • recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators • recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators • count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 • recognise and show, using diagrams, equivalent fractions with small denominators • add and subtract fractions with the same denominator within one whole [e.g. $\frac{5}{7}+\frac{1}{7}=\frac{6}{7}$] • compare and order unit fractions, and fractions with the same denominators • solve problems that involve all of the above		**Measurement Money** • add and subtract amounts of money to give change, using both £ and p in practical contexts	**Measurement Time** • tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks • estimate and read time with increasing accuracy to the nearest minute • record and compare time in terms of seconds, minutes, hours and o'clock • use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight • know the number of seconds in a minute and the number of days in each month, year and leap year • compare durations of events [for example to calculate the time taken by particular events or tasks			**Shape** • Recognise that angles are 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 the perimeter of simple 2-D shapes		**Statistics** • interpret and present data using bar charts, pictograms and tables • solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables		Consolidation	
	Mass and Capacity Assessment			Fractions B Assessment	**Money Assessment**	**Summer term progress checks** **Paper 1 – Arithmetic** **Paper 2 - Reasoning**	Time Assessment		Shape Assessment		Statistics Assessment	