



Autumn Term 1								
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Y1	<p align="center">Number and Place Value: Numbers to 10</p>		<p align="center">Calculations: Addition and Subtraction</p>					<p align="center">Consolidation</p>
	<p>Count to ten, forwards and backwards, beginning with 0 or 1, or from any given number.</p> <p>Count, read and write numbers to 10 in numerals and words.</p> <p>Given a number, identify one more or one less.</p> <p>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.</p> <p>Small steps</p> <ul style="list-style-type: none"> ✓ Sort objects ✓ Count objects ✓ Represent objects ✓ Count, read and write forwards from any number 0 to 10 ✓ Count, read and writing backwards from any number 0 to 10 ✓ Count one more ✓ Count one less ✓ One to one correspondence to start to compare groups ✓ Compare groups using language such as equal, more/greater, less/fewer ✓ Introduce = , > and < symbols ✓ Compare numbers ✓ Order groups of objects ✓ Order numbers ✓ Ordinal numbers (1st, 2nd, 3rd) ✓ The number line 		<p>Represent and use number bonds and related subtraction facts within 10</p> <p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</p> <p>Add and subtract one digit numbers to 10, including zero.</p> <p>Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems.</p> <p>Small steps</p> <ul style="list-style-type: none"> ✓ Part whole model ✓ Addition symbol ✓ Fact families – Addition facts ✓ Find number bonds for numbers within 10 ✓ Systematic methods for number bonds within 10 ✓ Number bonds to 10 ✓ Compare number bonds ✓ Addition: Adding together ✓ Addition: Adding more ✓ Finding a part ✓ Subtraction: Taking away, how many left? Crossing out ✓ Subtraction: Taking away, how many left? Introducing the subtraction symbol ✓ Subtraction: Finding a part, breaking apart ✓ Fact families – The 8 facts ✓ Subtraction: Counting back ✓ Subtraction: Finding the difference ✓ Comparing addition and subtraction statements $a + b > c$ ✓ Comparing addition and subtraction statements $a + b > c + d$ 					



Autumn Term 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Y1	<p>Geometry – Position and Direction: Positions</p>	<p>Number and Place Value: Numbers to 20</p>		<p>Calculations: Addition and Subtraction within 20</p>		<p>PUMA and Logic and problem solving puzzles</p>	<p>Review and Intervention</p>
	<p>Describe position, direction and movement, including whole, half, quarter and three quarter turns</p> <p>Small steps</p> <ul style="list-style-type: none"> ✓ Describe turns ✓ Describe positions (1) ✓ Describe positions (2) 	<p>Count to twenty, forwards and backwards, beginning with 0 or 1, from any given number.</p> <p>Count, read and write numbers to 20 in numerals and words.</p> <p>Given a number, identify one more or one less.</p> <p>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.</p> <p>Small steps</p> <ul style="list-style-type: none"> ✓ Count forwards and backwards and write numbers to 20 in numerals and words ✓ Numbers from 11 to 20 ✓ Tens and ones ✓ Count one more and one less ✓ Compare groups of objects ✓ Compare numbers ✓ Order groups of objects ✓ Order numbers 		<p>Represent and use number bonds and related subtraction facts within 20</p> <p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</p> <p>Add and subtract one-digit and two-digit numbers to 20, including zero.</p> <p>Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$</p> <p>Small steps</p> <ul style="list-style-type: none"> ✓ Add by counting on ✓ Find & make number bonds ✓ Add by making 10 ✓ Subtraction – Not crossing 10 ✓ Subtraction – Crossing 10 (1) ✓ Subtraction – Crossing 10 (2) ✓ Related Facts ✓ Compare Number Sentences 			



Spring Term 1						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Y1	<p align="center">Measurement: Length and Height</p>	<p align="center">Number and Place Value: Numbers to 40</p>		<p align="center">Calculations: Addition and Subtraction</p>		<p align="center">Revision and Mid-year (A) Tests</p>
	<p>Measure and begin to record lengths and heights.</p> <p>Compare, describe and solve practical problems for: lengths and heights (for example, long/short, longer/shorter, tall/short, double/half)</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Compare lengths and heights ✓ Measure length (1) ✓ Measure length (2) 	<p>Count to 50 forwards and backwards, beginning with 0 or 1, or from any number.</p> <p>Count, read and write numbers to 50 in numerals.</p> <p>Given a number, identify one more or one less. Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.</p> <p>Count in multiples of twos, fives and tens.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Numbers to 50 ✓ Tens and ones ✓ Represent numbers to 50 ✓ One more one less ✓ Compare objects within 50 ✓ Compare numbers within 50 ✓ Order numbers within 50 ✓ Count in 2s ✓ Count in 5s 		<p>Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$</p> <p>Small steps</p> <ul style="list-style-type: none"> ✓ Add by counting on ✓ Find & make number bonds ✓ Add by making 10 ✓ Subtraction – Not crossing 10 ✓ Subtraction – Crossing 10 (1) ✓ Subtraction – Crossing 10 (2) ✓ Related Facts ✓ Compare Number Sentences 		



Spring Term 2						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Y1	<p align="center">Geometry – Properties of Shape: Shapes and Patterns</p>	<p align="center">Calculations: Multiplication</p>	<p align="center">Calculations: Division</p>	<p align="center">Fractions: Fractions</p>	<p align="center">PUMA and Logic and problem solving puzzles</p>	<p align="center">Review and Intervention</p>
	<p>Recognise and name common 2-D shapes, including: (for example, rectangles (including squares), circles and triangles)</p> <p>Recognise and name common 3-D shapes, including: (for example, cuboids (including cubes), pyramids and spheres.)</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Recognise and name 3D shapes ✓ Sort 3D shapes ✓ Recognise and name 2D shapes ✓ Sort 2D shapes ✓ Patterns with 3D and 2D shapes 	<p>Count in multiples of twos, fives and tens.</p> <p>Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Count in 10s ✓ Make equal groups ✓ Add equal groups ✓ Make arrays ✓ Make doubles ✓ Make equal groups - grouping ✓ Make equal groups - sharing 	<p>Count in multiples of twos, fives and tens.</p> <p>Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Count in 10s ✓ Make equal groups ✓ Add equal groups ✓ Make arrays ✓ Make doubles ✓ Make equal groups - grouping ✓ Make equal groups - sharing 	<p>Recognise, find and name a half as one of two equal parts of an object, shape or quantity.</p> <p>Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.</p> <p>Compare, describe and solve practical problems for: lengths and heights (for example, long/short, longer/shorter, tall/short, double/half)</p> <p>Compare, describe and solve practical problems for: mass/weight [for example, heavy/light, heavier than, lighter than]; capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Halving shapes or objects ✓ Halving a quantity ✓ Find a quarter of a shape or object ✓ Find a quarter of a quantity 		



Summer Term 1					
	Week 1	Week 2	Week 3	Week 4	Week 5
Y1	Number and Place Value: Numbers to 100		Measurement: Time		Measurement: Money
	<p>Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.</p> <p>Count, read and write numbers to 100 in numerals.</p> <p>Given a number, identify one more and one less.</p> <p>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than, most, least.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Count to 100 ✓ Partition numbers ✓ Compare numbers (1) ✓ Compare numbers (2) ✓ Order numbers ✓ One more and one less 		<p>Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening.</p> <p>Recognise and use language relating to dates, including days of the week, weeks, months and years.</p> <p>Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</p> <p>Compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later]</p> <p>Measure and begin to record time (hours, minutes, seconds)</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Before and after ✓ Dates ✓ Time to the hour ✓ Time to the half hour ✓ Writing time ✓ Comparing time 		<p>Recognise and know the value of different denominations of coins and notes.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Recognising coins ✓ Recognising notes ✓ Counting in coins



Summer Term 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Y1	Measurement: Volume and Capacity	Measurement: Mass	Geometry – Position and Direction: Space	Revision and End-of-year (B) Tests and PUMA	Review and Intervention		Consolidation
	<p>Measure and begin to record mass/weight, capacity and volume.</p> <p>Compare, describe and solve practical problems for mass/weight: [for example, heavy/light, heavier than, lighter than]; capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Introduce capacity ✓ Measure capacity ✓ Compare capacity 	<p>Measure and begin to record mass/weight, capacity and volume.</p> <p>Compare, describe and solve practical problems for mass/weight: [for example, heavy/light, heavier than, lighter than]; capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Introduce weight and mass ✓ Measure mass ✓ Compare mass 	<p>Describe position, direction and movement, including whole, half, quarter and three quarter turns</p> <p>Small steps</p> <ul style="list-style-type: none"> ✓ Describe turns ✓ Describe positions (1) ✓ Describe positions (2) 				



Autumn Term 1								
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Y2	Number and Place Value: Numbers to 100		Calculations: Addition and Subtraction			Calculations: Multiplication of 2, 5 and 10		Consolidation
	<p>Read and write numbers to at least 100 in numerals and in words.</p> <p>Recognise the place value of each digit in a two digit number (tens, ones)</p> <p>Identify, represent and estimate numbers using different representations including the number line.</p> <p>Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs.</p> <p>Use place value and number facts to solve problems.</p> <p>Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Count objects to 100 and read and write numbers in numerals and words ✓ Represent numbers to 100 ✓ Tens and ones with a part whole model ✓ Tens and ones using addition ✓ Use a place value chart ✓ Compare objects ✓ Compare numbers ✓ Order objects and numbers ✓ Count in 2s, 5s and 10s ✓ Count in 3s 		<p>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.</p> <p>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers.</p> <p>Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</p> <p>Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods.</p> <p>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Fact families – Addition and subtraction bonds to 20 ✓ Check calculations ✓ Compare number sentences ✓ Related facts ✓ Bonds to 100 (tens) ✓ Add and subtract 1s ✓ 10 more and 10 less ✓ Add and subtract 10s ✓ Add a 2-digit and 1-digit number – crossing ten ✓ Subtract a 1-digit number from a 2-digit number – crossing ten ✓ Add two 2-digit numbers – not crossing ten – add ones and add tens ✓ Add two 2-digit numbers – crossing ten – add ones and add tens ✓ Subtract a 2-digit number from a 2-digit number – not crossing ten ✓ Subtract a 2-digit number from a 2-digit number – crossing ten – subtract ones and tens ✓ Bonds to 100 (tens and ones) ✓ Add three 1-digit numbers 			<p>Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.</p> <p>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals ($=$) sign.</p> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.</p> <p>Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Recognise equal groups ✓ Make equal groups ✓ Add equal groups ✓ Multiplication sentences using the \times symbol ✓ Multiplication sentences from pictures ✓ Use arrays ✓ 2 times-table ✓ 5 times-table ✓ 10 times-table 		



Autumn Term 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Y2	Calculations: Multiplication and Division of 2, 5 and 10		Measurement: Length/ Measurement: Temperature		Measurement: Mass	PUMA and Logic and problem solving puzzles	Statistics: Picture Graphs
	<p>Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.</p> <p>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) sign.</p> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.</p> <p>Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Make equal groups - sharing ✓ Make equal groups - grouping ✓ Divide by 2 ✓ Odd & even numbers ✓ Divide by 5 ✓ Divide by 10 		<p>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</p> <p>Compare and order lengths, mass, volume/capacity and record the results using >, < and =</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Measure length (cm) ✓ Measure length (m) ✓ Compare lengths ✓ Order lengths ✓ Four operations with lengths ✓ Temperature 		<p>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</p> <p>Compare and order lengths, mass, volume/capacity and record the results using >, < and =</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Compare mass ✓ Measure mass in grams ✓ Measure mass in kilograms 		<p>Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.</p> <p>Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.</p> <p>Ask and answer questions about totalling and comparing categorical data.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Make tally charts ✓ Draw pictograms (1-1) ✓ Interpret pictograms (1-1) ✓ Draw pictograms (2, 5 and 10) ✓ Interpret pictograms (2, 5 and 10) ✓ Block diagrams



Spring Term 1						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Y2	Mid-year (A) Tests and Remediation	Calculations: More Word Problems	Measurement: Money		Geometry – Properties of 2D Shapes	
		<p>Solve problems with addition and subtraction: using concrete objects and Pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods. Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.</p> <p>Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</p>	<p>Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.</p> <p>Find different combinations of coins that equal the same amounts of money.</p> <p>Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Count money – pence ✓ Count money – pounds (notes and coins) ✓ Count money – notes and coins ✓ Select money ✓ Make the same amount ✓ Compare money ✓ Find the total ✓ Find the difference ✓ Find change ✓ Two-step problems 		<p>Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.</p> <p>Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid.]</p> <p>Compare and sort common 2-D and 3-D shapes and everyday objects.</p> <p>Use mathematical vocabulary to describe position, direction and movement including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).</p> <p>Order and arrange combinations of mathematical objects in patterns and sequences</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Recognise 2D and 3D shapes ✓ Count sides on 2D shapes ✓ Count vertices on 2D shapes ✓ Draw 2D shapes ✓ Lines of symmetry ✓ Sort 2D shapes ✓ Make patterns with 2D shapes ✓ Count faces on 3D shapes ✓ Count edges on 3D shapes ✓ Count vertices on 3D shapes ✓ Sort 3D shapes ✓ Make patterns with 3D shapes ✓ Describe movement ✓ Describe turns ✓ Describe movement and turns ✓ Make patterns with shapes 	



Spring Term 2						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Y2	<p>Geometry – Properties of Shapes: 3-D Shapes</p> <p>Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.</p> <p>Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid.]</p> <p>Compare and sort common 2-D and 3-D shapes and everyday objects.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Recognise 2D and 3D shapes ✓ Count sides on 2D shapes ✓ Count vertices on 2D shapes ✓ Draw 2D shapes ✓ Lines of symmetry ✓ Sort 2D shapes ✓ Make patterns with 2D shapes ✓ Count faces on 3D shapes ✓ Count edges on 3D shapes ✓ Count vertices on 3D shapes ✓ Sort 3D shapes ✓ Make patterns with 3D shapes 	<p>Fractions: Fractions</p> <p>Recognise, find, name and write fractions $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity.</p> <p>Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Make equal parts ✓ Recognise a half ✓ Find a half ✓ Recognise a quarter ✓ Find a quarter ✓ Recognise a third ✓ Find a third ✓ Unit fractions ✓ Non-unit fractions ✓ Equivalence of a half and a quarter ✓ Find three quarters ✓ Count in fractions 			<p>PUMA and Logic and problem solving puzzles</p>	<p>Measurement: Time</p> <p>Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.</p> <p>Know the number of minutes in an hour and the number of hours in a day.</p> <p>Compare and sequence intervals of time.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ O'clock and half past ✓ Quarter past and quarter to ✓ Telling time to 5 minutes ✓ Minutes in an hour, hours in a day ✓ Find durations of time ✓ Compare durations of time



Summer Term 1					
	Week 1	Week 2	Week 3	Week 4	Week 5
Y2	Measurement: Volume	Revision of Topics			SATS Week
	<p>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</p> <p>Compare and order lengths, mass, volume/capacity and record the results using >, < and =</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Compare capacity ✓ Millilitres ✓ Litres 				



Summer Term 2							
	Week 1	Week 2	Week 3	Week 8	Week 5	Week 6	Week 7
Y2	Review and Revisit Topics			Revision and End-of-year (B) Tests and PUMA	Review and Intervention		Consolidation



Autumn Term 1								
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Y3	Number and Place Value: Numbers to 1000		Calculations: Addition and Subtraction					Consolidation
	Identify, represent and estimate numbers using different representations. Find 10 or 100 more or less than a given number 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. Solve number problems and practical problems involving these ideas. Small Steps <ul style="list-style-type: none"> ✓ Hundreds ✓ Represent numbers to 1,000 ✓ 100s, 10s and 1s (1) ✓ 100s, 10s and 1s (2) ✓ Number line to 1,000 ✓ Find 1, 10, 100 more or less than a given number ✓ Compare objects to 1,000 ✓ Compare numbers to 1,000 ✓ Order numbers ✓ Count in 50s 		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. Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. Small Steps <ul style="list-style-type: none"> ✓ Add and subtract multiples of 100 ✓ Add and subtract 3-digit numbers and ones – not crossing 10 ✓ Add 3-digit and 1-digit numbers – crossing 10 ✓ Subtract a 1-digit number from a 3-digit number – crossing 10 ✓ Add and subtract 3-digit numbers and tens – not crossing 100 ✓ Add a 3-digit number and tens – crossing 100 ✓ Subtract tens from a 3-digit number – crossing 100 ✓ Add and subtract 100s ✓ Spot the pattern – making it explicit ✓ Add and subtract a 2-digit and 3-digit number – not crossing 10 or 100 ✓ Add a 2-digit and 3-digit number – crossing 10 or 100 ✓ Subtract a 2-digit number from a 3-digit number – cross the 10 or 100 ✓ Add two 3-digit numbers – not crossing 10 or 100 ✓ Add two 3-digit numbers – crossing 10 or 100 ✓ Subtract a 3-digit number from a 3-digit number – no exchange ✓ Subtract a 3-digit number from a 3-digit number – exchange ✓ Estimate answers to calculations ✓ Check 					



Autumn Term 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Y3	Calculations: Multiplication and Division			Calculations: Further Multiplication and Division		PUMA and Logic and problem solving puzzles	Review and Intervention
	<p>Count from 0 in multiples of 4, 8, 50 and 100</p> <p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p>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 and progressing to formal written methods.</p> <p>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 objectives.</p> <p><u>Small Steps</u></p> <ul style="list-style-type: none"> ✓ Multiplication – equal groups ✓ Multiplying by 3 ✓ Dividing by 3 ✓ The 3 times-table ✓ Multiplying by 4 ✓ Dividing by 4 ✓ The 4 times-table ✓ Multiplying by 8 ✓ Dividing by 8 ✓ The 8 times-table 			<p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p>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 and progressing to formal written methods.</p> <p>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 objectives.</p> <p><u>Small Steps</u></p> <ul style="list-style-type: none"> ✓ Comparing statements ✓ Related calculations ✓ Multiply 2-digits by 1-digit (1) ✓ Multiply 2-digits by 1-digit (2) ✓ Divide 2-digits by 1-digit (1) ✓ Divide 2-digits by 1-digit (2) ✓ Divide 2-digits by 1-digit (3) ✓ Scaling ✓ How many ways? 			



Spring Term 1						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Y3	Measurement: Length		Measurement: Mass	Measurement: Volume		Revision and Mid-year (A) Tests
	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). Small Steps <ul style="list-style-type: none"> ✓ Measure length ✓ Equivalent lengths – m & cm ✓ Equivalent lengths – mm & cm ✓ Compare lengths ✓ Add lengths ✓ Subtract lengths 		Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). Small Steps <ul style="list-style-type: none"> ✓ Measure mass (1) ✓ Measure mass (2) ✓ Compare mass ✓ Add and subtract mass 	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). Small Steps <ul style="list-style-type: none"> ✓ Measure capacity (1) ✓ Measure capacity (2) ✓ Compare capacity ✓ Add and subtract capacity 		



Spring Term 2						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Y3	Measurement: Money			Measurement: Time	PUMA and Logic and problem solving puzzles	Measurement: Time
	<p>Add and subtract amounts of money to give change, using both £ and p in practical contexts.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Pounds and pence ✓ Converting pounds and pence ✓ Adding money ✓ Subtracting money ✓ Giving change 			<p>Tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks.</p> <p>Estimate and read time with increasing accuracy to the nearest minute.</p> <p>Record and compare time in terms of seconds, minutes and hours. Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</p> <p>Know the number of seconds in a minute and the number of days in each month, year and leap year.</p> <p>Compare durations of events [for example to calculate the time taken by particular events or tasks].</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Months and years ✓ Hours in a day ✓ Telling time to 5 minutes ✓ Telling time to the nearest minute ✓ AM and PM ✓ 24 hour clock ✓ Find the duration ✓ Compare the duration ✓ Find start and end times ✓ Measure time in seconds 		<p>Tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks.</p> <p>Estimate and read time with increasing accuracy to the nearest minute.</p> <p>Record and compare time in terms of seconds, minutes and hours. Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</p> <p>Know the number of seconds in a minute and the number of days in each month, year and leap year.</p> <p>Compare durations of events [for example to calculate the time taken by particular events or tasks].</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Months and years ✓ Hours in a day ✓ Telling time to 5 minutes ✓ Telling time to the nearest minute ✓ AM and PM ✓ 24 hour clock ✓ Find the duration ✓ Compare the duration ✓ Find start and end times ✓ Measure time in seconds



Summer Term 1					
	Week 1	Week 2	Week 3	Week 4	Week 5
Y3	Measurement: Time	Statistics: Picture and Bar Graphs	Fractions, Decimals and Percentages: Fractions		
	<p>Tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks.</p> <p>Estimate and read time with increasing accuracy to the nearest minute.</p> <p>Record and compare time in terms of seconds, minutes and hours. Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</p> <p>Know the number of seconds in a minute and the number of days in each month, year and leap year.</p> <p>Compare durations of events [for example to calculate the time taken by particular events or tasks].</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Months and years ✓ Hours in a day ✓ Telling time to 5 minutes ✓ Telling time to the nearest minute ✓ AM and PM ✓ 24 hour clock ✓ Find the duration ✓ Compare the duration ✓ Find start and end times ✓ Measure time in seconds 	<p>Interpret and present data using bar charts, pictograms and tables.</p> <p>Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Pictograms ✓ Bar Charts ✓ Tables 	<p>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</p> <p>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</p> <p>Solve problems that involve all of the above.</p> <p>Recognise and show, using diagrams, equivalent fractions with small denominators.</p> <p>Compare and order unit fractions, and fractions with the same denominators.</p> <p>Add and subtract fractions with the same denominator within one whole [for example, $5/7 + 1/7 = 6/7$]</p> <p>Solve problems that involve all of the above.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Unit and non-unit fractions ✓ Making the whole ✓ Tenths ✓ Count in tenths ✓ Tenths as decimals ✓ Fractions of a number line ✓ Fractions of a set of objects (1) ✓ Fractions of a set of objects (2) ✓ Fractions of a set of objects (3) ✓ Equivalent fractions (1) ✓ Equivalent fractions (2) ✓ Equivalent fractions (3) ✓ Compare fractions ✓ Order fractions ✓ Add fractions ✓ Subtract fractions 		



Summer Term 2								
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	
Y3	<p align="center">Fractions, Decimals and Percentages: Fractions</p> <p>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</p> <p>Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</p> <p>Solve problems that involve all of the above.</p> <p>Recognise and show, using diagrams, equivalent fractions with small denominators.</p> <p>Compare and order unit fractions, and fractions with the same denominators.</p> <p>Add and subtract fractions with the same denominator within one whole [for example, $5/7 + 1/7 = 6/7$]</p> <p>Solve problems that involve all of the above.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Unit and non-unit fractions ✓ Making the whole ✓ Tenths ✓ Count in tenths ✓ Tenths as decimals ✓ Fractions of a number line ✓ Fractions of a set of objects (1) ✓ Fractions of a set of objects (2) ✓ Fractions of a set of objects (3) ✓ Equivalent fractions (1) ✓ Equivalent fractions (2) ✓ Equivalent fractions (3) ✓ Compare fractions ✓ Order fractions ✓ Add fractions ✓ Subtract fractions 	<p align="center">Geometry – Properties of Shapes: Angles</p> <p>Recognise angles as a property of shape or a description of a turn.</p> <p>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.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Turns and angles ✓ Right angles in shapes ✓ Compare angles ✓ Draw accurately 	<p align="center">Geometry – Properties of Shapes: Lines and Shapes</p> <p>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</p> <p>Draw 2-D shapes and make 3-D shapes using modelling materials.</p> <p>Recognise 3-D shapes in different orientations and describe them.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Horizontal and vertical ✓ Parallel and perpendicular ✓ Recognise and describe 2D shapes ✓ Recognise and describe 3D shapes ✓ Make 3D shapes 	<p align="center">Revision and End-of-year (B) Tests and PUMA</p>	<p align="center">Measurement: Perimeter of Figures</p> <p>Measure the perimeter of simple 2D shapes.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Measure perimeter ✓ Calculate perimeter 			Consolidation



Autumn Term 1								
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Y4	<p align="center">Number and Place Value: Numbers to 10 000</p>			<p align="center">Calculations: Addition and Subtraction within 10 000</p>				Consolidation
	<p>Count in multiples of 6, 7, 9, 25 and 1000.</p> <p>Find 1000 more or less than a given number.</p> <p>Recognise the place value of each digit in a four digit number (thousands, hundreds, tens and ones)</p> <p>Order and compare numbers beyond 1000 Identify, represent and estimate numbers using different representations.</p> <p>Round any number to the nearest 10, 100 or 1000</p> <p>Solve number and practical problems that involve all of the above and with increasingly large positive numbers.</p> <p>Count backwards through zero to include negative numbers.</p> <p><u>Small Steps</u></p> <ul style="list-style-type: none"> ✓ Round to the nearest 10 ✓ Round to the nearest 100 ✓ Count in 1,000s ✓ 1,000s, 100s, 10s and 1s ✓ Partitioning ✓ Number line to 10,000 ✓ 1,000 more or less ✓ Compare numbers ✓ Order numbers ✓ Round to the nearest 1,000 ✓ Count in 25s ✓ Negative numbers 			<p>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.</p> <p>Estimate and use inverse operations to check answers to a calculation.</p> <p>Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.</p> <p><u>Small Steps</u></p> <ul style="list-style-type: none"> ✓ Add and subtract 1s, 10s, 100s and 1000s ✓ Add two 4-digit numbers – no exchange ✓ Add two 4-digit numbers – one exchange ✓ Add two 4-digit numbers – more than one exchange ✓ Subtract two 4-digit numbers – no exchange ✓ Subtract two 4-digit numbers – one exchange ✓ Subtract two 4-digit numbers – more than one exchange ✓ Efficient subtraction ✓ Estimate answers ✓ Checking strategies 				



Autumn Term 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Y4	Calculations: Multiplication and Division				Calculations: Further Multiplication and Division	PUMA and Logic and problem solving puzzles	Review and Intervention
	<p>Recall and use multiplication and division facts for multiplication tables up to 12×12.</p> <p>Count in multiples of 6, 7, 9, 25 and 1000</p> <p>Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.</p> <p>Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.</p> <p>Recognise and use factor pairs and commutativity in mental calculations.</p> <p>Multiply two digit and three digit numbers by a one digit number using formal written layout.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Multiply by 10 ✓ Multiply by 100 ✓ Divide by 10 ✓ Divide by 100 ✓ Multiply by 1 and 0 ✓ Divide by 1 ✓ Multiply and divide by 6 ✓ 6 times-table and division facts ✓ Multiply and divide by 9 ✓ 9 times-table and division facts ✓ Multiply and divide by 7 ✓ 7 times-table and division facts 				<p>Recall and use multiplication and division facts for multiplication tables up to 12×12.</p> <p>Count in multiples of 6, 7, 9, 25 and 1000</p> <p>Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.</p> <p>Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.</p> <p>Recognise and use factor pairs and commutativity in mental calculations.</p> <p>Multiply two digit and three digit numbers by a one digit number using formal written layout.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ 11 and 12 times-table ✓ Multiply 3 numbers ✓ Factor pairs ✓ Efficient multiplication ✓ Written methods ✓ Multiply 2-digits by 1-digit ✓ Multiply 3-digits by 1-digit ✓ Divide 2-digits by 1-digit (1) ✓ Divide 2-digits by 1-digit (2) ✓ Correspondence problems 		



Spring Term 1						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Y4	Calculations: Further Multiplication and Division			Statistics: Graphs	Fractions, Decimals and Percentages: Fractions	
	<p>Recall and use multiplication and division facts for multiplication tables up to 12 x 12.</p> <p>Count in multiples of 6, 7, 9, 25 and 1000</p> <p>Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.</p> <p>Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.</p> <p>Recognise and use factor pairs and commutativity in mental calculations.</p> <p>Multiply two digit and three digit numbers by a one digit number using formal written layout.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ 11 and 12 times-table ✓ Multiply 3 numbers ✓ Factor pairs ✓ Efficient multiplication ✓ Written methods ✓ Multiply 2-digits by 1-digit ✓ Multiply 3-digits by 1-digit ✓ Divide 2-digits by 1-digit (1) ✓ Divide 2-digits by 1-digit (2) ✓ Correspondence problems 			<p>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p> <p>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Interpret charts (discrete) ✓ Comparison, sum and difference ✓ Introduce line graphs ✓ Line graphs 	<p>Recognise and show, using diagrams, families of common equivalent fractions.</p> <p>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p> <p>Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.</p> <p>Add and subtract fractions with the same denominator.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ What is a fraction? ✓ Equivalent fractions (1) ✓ Equivalent fractions (2) ✓ Fractions greater than 1 ✓ Count in fractions ✓ Add 2 or more fractions ✓ Subtract 2 fractions ✓ Subtract from whole amounts ✓ Calculate fractions of a quantity ✓ Problem solving – calculate quantities 	



Spring Term 2						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Y4	<p>Fractions, Decimals and Percentages: Fractions</p> <p>Recognise and show, using diagrams, families of common equivalent fractions.</p> <p>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p> <p>Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.</p> <p>Add and subtract fractions with the same denominator.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ What is a fraction? ✓ Equivalent fractions (1) ✓ Equivalent fractions (2) ✓ Fractions greater than 1 ✓ Count in fractions ✓ Add 2 or more fractions ✓ Subtract 2 fractions ✓ Subtract from whole amounts ✓ Calculate fractions of a quantity ✓ Problem solving – calculate quantities 	<p>Measurement: Time</p> <p>Convert between different units of measure [for example, kilometre to metre; hour to minute]</p> <p>Read, write and convert time between analogue and digital 12- and 24-hour clocks.</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Hours, minutes and seconds ✓ Years, months, weeks and days ✓ Analogue to digital – 12 hour ✓ Analogue to digital – 24 hour 	<p>Fractions, Decimals and Percentages: Decimals</p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths.</p> <p>Find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places.</p> <p>Convert between different units of measure [for example, kilometre to metre]</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Recognise tenths and hundredths ✓ Tenths as decimals ✓ Tenths on a place value grid ✓ Tenths on a number line ✓ Divide 1 digit by 10 ✓ Divide 2 digits by 10 ✓ Hundredths ✓ Hundredths as decimals ✓ Hundredths on a place value grid ✓ Divide 1 or 2 digits by 100 		<p>PUMA and Logic and problem solving puzzles; Mid-year (A) Tests and Remediation</p>	<p>Fractions, Decimals and Percentages: Decimals</p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths.</p> <p>Find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places.</p> <p>Convert between different units of measure [for example, kilometre to metre]</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Recognise tenths and hundredths ✓ Tenths as decimals ✓ Tenths on a place value grid ✓ Tenths on a number line ✓ Divide 1 digit by 10 ✓ Divide 2 digits by 10 ✓ Hundredths ✓ Hundredths as decimals ✓ Hundredths on a place value grid ✓ Divide 1 or 2 digits by 100



Summer Term 1					
	Week 1	Week 2	Week 3	Week 4	Week 5
Y4	Measurement: Money		Measurement: Mass, Volume and Length		
	Estimate, compare and calculate different measures, including money in pounds and pence. Solve simple measure and money problems involving fractions and decimals to two decimal places. Small Steps <ul style="list-style-type: none"> ✓ Pounds and pence ✓ Order money ✓ Round to estimate money ✓ Four operations with money 		Convert between different units of measure [for example, kilometre to metre]		



Summer Term 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Y4	<p>Measurement: Area of Figures</p>	<p>Geometry – Properties of Shapes: Geometry</p>		<p>Revision and End- of-year (B) Tests and PUMA</p>	<p>Geometry – Position and Direction: Position and Movement</p>	<p>Number and Place Value: Roman Numerals</p>	<p>Consolidation</p>
	<p>Find the area of rectilinear shapes by counting squares.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ What is area? ✓ Counting squares ✓ Making shapes ✓ Comparing area 	<p>Identify acute and obtuse angles and compare and order angles up to two right angles by size.</p> <p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.</p> <p>Identify lines of symmetry in 2-D shapes presented in different orientations.</p> <p>Complete a simple symmetric figure with respect to a specific line of symmetry.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Identify angles ✓ Compare and order angles ✓ Triangles ✓ Quadrilaterals ✓ Lines of symmetry ✓ Complete a symmetric figure 			<p>Describe positions on a 2-D grid as coordinates in the first quadrant.</p> <p>Plot specified points and draw sides to complete a given polygon.</p> <p>Describe movements between positions as translations of a given unit to the left/ right and up/ down.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Describe position ✓ Draw on a grid ✓ Move on a grid ✓ Describe a movement on a grid 	<p>Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.</p> <p>Small Steps Roman numerals to 100</p>	



Autumn Term 1								
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Y5	Number and Place Value: Numbers to 1 000 000			Calculations: Addition and Subtraction		Calculations: Multiplication and Division		Consolidation
	<p>Read, write, order and compare numbers to at least 1000000 and determine the value of each digit.</p> <p>Count forwards or backwards in steps of powers of 10 for any given number up to 1000000.</p> <p>Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero.</p> <p>Round any number up to 1000000 to the nearest 10, 100, 1000, 10000 and 100000</p> <p>Solve number problems and practical problems that involve all of the above.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Number to 10,000 ✓ Round to the nearest 10, 100 and 1,000 ✓ Number to 100,000 ✓ Compare and order numbers to 100,000 ✓ Round numbers within 100,000 ✓ Numbers to a million ✓ Counting in 10s, 100s, 1,000s, 10,000s and 100,000s ✓ Compare and order numbers to a million ✓ Round numbers to a million ✓ Negative numbers 			<p>Add and subtract numbers mentally with increasingly large numbers.</p> <p>Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)</p> <p>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Add whole numbers with more than 4-digits (column method) ✓ Subtract whole numbers with more than 4-digits (column method) ✓ Round to estimate and approximate ✓ Inverse operations (addition and subtraction) ✓ Multi-step addition and subtraction problems 		<p>Multiply and divide numbers mentally drawing upon known facts.</p> <p>Multiply and divide whole numbers by 10, 100 and 1000.</p> <p>Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.</p> <p>Recognise and use square numbers and cube numbers and the notation for squared (2) and cubed (3)</p> <p>Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.</p> <p>Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.</p> <p>Establish whether a number up to 100 is prime and recall prime numbers up to 19</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Multiples ✓ Factors ✓ Common factors ✓ Prime numbers ✓ Square numbers ✓ Cube numbers ✓ Inverse operations (Multiplication and Division) ✓ Multiply by 10, 100 and 1,000 ✓ Divide by 10, 100 and 1,000 ✓ Multiply and divide by multiples of 10, 100 and 1,000 		



Autumn Term 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Y5	Calculations: Multiplication and Division		Calculations: Word Problems	Statistics: Graphs		PUMA and Logic and problem solving puzzles	Review and Intervention
	<p>Multiply and divide numbers mentally drawing upon known facts.</p> <p>Multiply numbers up to 4 digits by a one or two digit number using a formal written method, including long multiplication for 2 digit numbers.</p> <p>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.</p> <p>Solve problems involving addition and subtraction, multiplication and division and a combination of these, including understanding the use of the equals sign.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Multiply 4-digits by 1-digit ✓ Multiply 2-digits (area model) ✓ Multiply 2-digits by 2-digits ✓ Multiply 3-digits by 2-digits ✓ Multiply 4-digits by 2-digits ✓ Divide 4-digits by 1-digit ✓ Divide with remainders 		<p>Solve problems involving addition and subtraction, multiplication and division and a combination of these, including understanding the use of the equals sign.</p>	<p>Solve comparison, sum and difference problems using information presented in a line graph.</p> <p>Complete, read and interpret information in tables including timetables.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Read and interpret line graphs ✓ Draw line graphs ✓ Use line graphs to solve problems ✓ Read and interpret tables ✓ Two way tables ✓ Timetables 			



Spring Term 1						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Y5	Fractions, Decimals and Percentages: Fractions				Revision and Mid-year (A) Tests	Fractions, Decimals and Percentages: Decimals
	<p>Compare and order fractions whose denominators are multiples of the same number.</p> <p>Identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths.</p> <p>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 $2/5 + 4/5 = 6/5 = 1 \frac{1}{5}$]</p> <p>Add and subtract fractions with the same denominator and denominators that are multiples of the same number.</p> <p>Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.</p> <p>Read and write decimal numbers as fractions [for example $0.71 = 71/100$]</p> <p>Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Equivalent fractions ✓ Improper fractions to mixed numbers ✓ Mixed numbers to improper fractions ✓ Number sequences ✓ Compare and order fractions less than 1 ✓ Compare and order fractions greater than 1 ✓ Add and subtract fractions ✓ Add fractions within 1 ✓ Add 3 or more fractions ✓ Add fractions ✓ Add mixed numbers ✓ Subtract fractions ✓ Subtract mixed numbers ✓ Subtract – breaking the whole ✓ Subtract 2 mixed numbers ✓ Multiply unit fractions by an integer ✓ Multiply non-unit fractions by an integer ✓ Multiply mixed numbers by integers ✓ Fraction of an amount ✓ Using fractions as operators 					<p>Read, write, order and compare numbers with up to three decimal places.</p> <p>Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.</p> <p>Round decimals with two decimal places to the nearest whole number and to one decimal place.</p> <p>Solve problems involving number up to three decimal places.</p> <p>Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.</p> <p>Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Decimals up to 2 d.p. ✓ Decimals as fractions (1) ✓ Decimals as fractions (2) ✓ Understand thousandths ✓ Thousands as decimals ✓ Rounding decimals ✓ Order and compare decimals ✓ Add decimals within 1 ✓ Subtract decimals within 1 ✓ Complements to 100 ✓ Add decimals – cross the whole ✓ Add numbers with the same number of decimal places ✓ Subtract numbers with the same number of decimal places ✓ Add numbers with different numbers of decimal places ✓ Subtract numbers with different numbers of decimal places ✓ Add and subtract wholes and decimals ✓ Decimal sequences ✓ Multiply decimals by 10, 100 and 1,000 ✓ Divide decimals by 10, 100 and 1,000



Spring Term 2								
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6		
Y5	Fractions, Decimals and Percentages: Decimals Read, write, order and compare numbers with up to three decimal places. Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Round decimals with two decimal places to the nearest whole number and to one decimal place. Solve problems involving number up to three decimal places. Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000. Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling. Small Steps <ul style="list-style-type: none"> ✓ Decimals up to 2 d.p. ✓ Decimals as fractions (1) ✓ Decimals as fractions (2) ✓ Understand thousandths ✓ Thousands as decimals ✓ Rounding decimals ✓ Order and compare decimals ✓ Add decimals within 1 ✓ Subtract decimals within 1 ✓ Complements to 100 ✓ Add decimals – cross the whole ✓ Add numbers with the same number of decimal places ✓ Subtract numbers with the same number of decimal places ✓ Add numbers with different numbers of decimal places ✓ Subtract numbers with different numbers of decimal places ✓ Add and subtract wholes and decimals ✓ Decimal sequences ✓ Multiply decimals by 10, 100 and 1,000 ✓ Divide decimals by 10, 100 and 1,000 		Fractions, Decimals and Percentages: Percentage 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 12, 14, 15, 25, 45 and those fractions with a denominator of a multiple of 10 or 25. Small Steps <ul style="list-style-type: none"> ✓ Understand percentages ✓ Percentages as fractions and decimals ✓ Equivalent F.D.P 		Geometry – Properties of Shapes: Geometry Identify 3D shapes, including cubes and other cuboids, from 2D representations. Use the properties of rectangles to deduce related facts and find missing lengths and angles. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. Draw given angles, and measure them in degrees (o) Identify: angles at a point and one whole turn (total 360o), angles at a point on a straight line and ½ a turn (total 180o) other multiples of 90o Small Steps <ul style="list-style-type: none"> ✓ Measure angles in degrees ✓ Measure with a protractor (1) ✓ Measure with a protractor (2) ✓ Draw lines and angles accurately ✓ Calculate angles on a straight line ✓ Calculate angles around a point ✓ Calculate lengths and angles in shapes ✓ Regular and irregular polygons ✓ Reasoning about 3D shapes 		PUMA and Logic and problem solving puzzles	Geometry – Properties of Shapes: Geometry Identify 3D shapes, including cubes and other cuboids, from 2D representations. Use the properties of rectangles to deduce related facts and find missing lengths and angles. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. Draw given angles, and measure them in degrees (o) Identify: angles at a point and one whole turn (total 360o), angles at a point on a straight line and ½ a turn (total 180o) other multiples of 90o Small Steps <ul style="list-style-type: none"> ✓ Measure angles in degrees ✓ Measure with a protractor (1) ✓ Measure with a protractor (2) ✓ Draw lines and angles accurately ✓ Calculate angles on a straight line ✓ Calculate angles around a point ✓ Calculate lengths and angles in shapes ✓ Regular and irregular polygons ✓ Reasoning about 3D shapes



Summer Term 1					
	Week 1	Week 2	Week 3	Week 4	Week 5
Y5	<p>Geometry – Properties of Shapes: Geometry</p>	<p>Geometry – Position and Direction: Position and Movement</p>	<p>Measurement: Measurements</p>		
	<p>Identify 3D shapes, including cubes and other cuboids, from 2D representations.</p> <p>Use the properties of rectangles to deduce related facts and find missing lengths and angles.</p> <p>Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.</p> <p>Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.</p> <p>Draw given angles, and measure them in degrees (o) Identify: angles at a point and one whole turn (total 360o), angles at a point on a straight line and ½ a turn (total 180o) other multiples of 90o</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Measure angles in degrees ✓ Measure with a protractor (1) ✓ Measure with a protractor (2) ✓ Draw lines and angles accurately ✓ Calculate angles on a straight line ✓ Calculate angles around a point ✓ Calculate lengths and angles in shapes ✓ Regular and irregular polygons ✓ Reasoning about 3D shapes 	<p>Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Position in the first quadrant ✓ Reflection ✓ Reflection with coordinates ✓ Translation ✓ Translation with coordinates 	<p>Convert between different units of metric measure [for example, km and m; cm and m; cm and mm; g and kg; l and ml]</p> <p>Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.</p> <p>Solve problems involving converting between units of time.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Metric units (1) ✓ Metric units (2) ✓ Metric units (3) ✓ Metric units (4) ✓ Imperial units ✓ Convert units of time ✓ Timetables 		



Summer Term 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Y5	Measurement: Area and Perimeter		Measurement: Volume	Revision and End-of-year (B) Tests and PUMA	Measurement: Volume	Number and Place Value: Roman Numerals	Consolidation
	Measure and calculate the perimeter of composite rectilinear shapes in cm and m. Calculate and compare the area of rectangles (including squares), and including using standard units, cm ² , m ² estimate the area of irregular shapes. <u>Small Steps</u> <ul style="list-style-type: none"> ✓ Measure perimeter ✓ Calculate perimeter ✓ Find unknown lengths ✓ Area of rectangles ✓ Area of compound shapes ✓ Estimate and approximate area 		Estimate volume [for example using 1cm ³ blocks to build cuboids (including cubes)] and capacity [for example, using water] Use all four operations to solve problems involving measure. <u>Small Steps</u> <ul style="list-style-type: none"> ✓ What is volume? ✓ Compare volume ✓ Estimate volume ✓ Estimate capacity 		Estimate volume [for example using 1cm ³ blocks to build cuboids (including cubes)] and capacity [for example, using water] Use all four operations to solve problems involving measure. <u>Small Steps</u> <ul style="list-style-type: none"> ✓ What is volume? ✓ Compare volume ✓ Estimate volume ✓ Estimate capacity 	Read Roman numerals to 1000 (M) and recognise years written in Roman numerals. <u>Small Steps</u> <ul style="list-style-type: none"> ✓ Roman numerals to 1,000 	



Autumn Term 1								
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Y6	Number and Place Value: Numbers to 10 Million	Calculations: Four Operations on Whole Numbers				Fractions, Decimals and Percentages: Fractions		Consolidation
	<p>Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit.</p> <p>Round any whole number to a required degree of accuracy.</p> <p>Solve number and practical problems that involve all of the above.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Numbers to ten million ✓ Compare and order any number ✓ Round any numbers 	<p>Solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why.</p> <p>Multiply multi-digit number up to 4 digits by a 2-digit number using the formal written method of long multiplication.</p> <p>Divide numbers up to 4 digits by a 2-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.</p> <p>Divide numbers up to 4 digits by a 2-digit number using the formal written method of short division, interpreting remainders according to the context.</p> <p>Perform mental calculations, including with mixed operations and large numbers. Identify common factors, common multiples and prime numbers.</p> <p>Use their knowledge of the order of operations to carry out calculations involving the four operations.</p> <p>Solve problems involving addition, subtraction, multiplication and division.</p> <p>Use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Add and subtract whole numbers ✓ Multiply up to a 4-digit by 1-digit number ✓ Short division ✓ Division using factors ✓ Long division (1) ✓ Long division (2) ✓ Long division (3) ✓ Long division (4) ✓ Common factors ✓ Common multiples ✓ Primes ✓ Squares and cubes ✓ Order of operations ✓ Mental calculations and estimation ✓ Reasoning from known facts 				<p>Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.</p> <p>Compare and order fractions, including fractions > 1</p> <p>Generate and describe linear number sequences (with fractions)</p> <p>Add and subtract fractions with different denominations and mixed numbers, using the concept of equivalent fractions.</p> <p>Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example $14 \times 12 = 18$]</p> <p>Divide proper fractions by whole numbers [for example $13 \div 2 = 16$]</p> <p>Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example 38]</p> <p>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Simplify fractions ✓ Fractions on a number line ✓ Compare and order fractions by the denominator ✓ Compare and order fractions by the numerator ✓ Add and subtract fractions (1) ✓ Add and subtract fractions (2) ✓ Adding fractions ✓ Subtracting fractions ✓ Mixed addition and subtraction problems ✓ Multiply fractions by whole number ✓ Multiply fractions by fraction ✓ Divide a fraction by a whole number (1) ✓ Divide a fraction by a whole number (2) ✓ Four rules with fractions ✓ Fraction of an amount ✓ Fraction of an amount - finding the whole 		



Autumn Term 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Y6	Fractions, Decimals and Percentages: Fractions	Fractions, Decimals and Percentages: Decimals		Measurement: Measurements		PUMA and Logic and problem solving puzzles	Word Problems
	<p>Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.</p> <p>Compare and order fractions, including fractions > 1</p> <p>Generate and describe linear number sequences (with fractions)</p> <p>Add and subtract fractions with different denominations and mixed numbers, using the concept of equivalent fractions.</p> <p>Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example $14 \times 12 = 18$]</p> <p>Divide proper fractions by whole numbers [for example $13 \div 2 = 16$]</p> <p>Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example 38]</p> <p>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Simplify fractions ✓ Fractions on a number line ✓ Compare and order fractions by the denominator ✓ Compare and order fractions by the numerator ✓ Add and subtract fractions (1) ✓ Add and subtract fractions (2) ✓ Adding fractions ✓ Subtracting fractions ✓ Mixed addition and subtraction problems ✓ Multiply fractions by whole number ✓ Multiply fractions by fraction ✓ Divide a fraction by a whole number (1) ✓ Divide a fraction by a whole number (2) ✓ Four rules with fractions ✓ Fraction of an amount <p>Fraction of an amount - finding the whole</p>	<p>Identify the value of each digit in numbers given to 3 decimal places and multiply numbers by 10, 100 and 1,000 giving answers up to 3 decimal places.</p> <p>Multiply one-digit numbers with up to 2 decimal places by whole numbers.</p> <p>Use written division methods in cases where the answer has up to 2 decimal places.</p> <p>Solve problems which require answers to be rounded to specified degrees of accuracy.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Three decimal places ✓ Multiply by 10, 100 and 1,000 ✓ Divide by 10, 100 and 1,000 ✓ Multiply decimals by integers ✓ Divide decimals by integers ✓ Division to solve problems ✓ Decimals as fractions ✓ Fractions to decimals (1) ✓ Fractions to decimals (2) 	<p>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.</p> <p>Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3dp.</p> <p>Convert between miles and kilometres.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Metric measures ✓ Convert metric measures ✓ Calculate with metric measures ✓ Miles and kilometres ✓ Imperial measures 	<p>Solve problems involving addition, subtraction, multiplication and division.</p>			



Spring Term 1						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Y6	Mid-year (A) Tests and Remediation	Fractions, Decimals and Percentages: Percentage	Ratio and Proportion: Ratio		Algebra: Algebra	
		<p>Solve problems involving the calculation of percentages [for example, of measures and such as 15% of 360] and the use of percentages for comparison.</p> <p>Recall and use equivalences between simple fractions, decimals and percentages including in different contexts.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Fractions to percentages ✓ Equivalent FDP ✓ Percentage of an amount (1) ✓ Percentage of an amount (2) ✓ Percentages – missing values ✓ Percentage increase and decrease ✓ Order FDP 	<p>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.</p> <p>Solve problems involving similar shapes where the scale factor is known or can be found.</p> <p>Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Using ratio language ✓ Ratio and fractions ✓ Introducing the ratio symbol ✓ Calculating ratio ✓ Using scale factors ✓ Calculating scale factors ✓ Ratio and proportion problems 	<p>Use simple formulae</p> <p>Generate and describe linear number sequences.</p> <p>Express missing number problems algebraically.</p> <p>Find pairs of numbers that satisfy an equation with two unknowns.</p> <p>Enumerate possibilities of combinations of two variables.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Find a rule – one step ✓ Find a rule – two step ✓ Use an algebraic rule ✓ Substitution ✓ Formulae ✓ Word Problems ✓ Solve simple one step equations ✓ Solve two step equations ✓ Find pairs of values ✓ Enumerate possibilities 		



Spring Term 2						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Y6	<p>Measurement: Area and Perimeter</p> <p>Recognise that shapes with the same areas can have different perimeters and vice versa.</p> <p>Recognise when it is possible to use formulae for area and volume of shapes.</p> <p>Calculate the area of parallelograms and triangles.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Shapes – same area ✓ Area and perimeter ✓ Area of a triangle (1) ✓ Area of a triangle (2) ✓ Area of a triangle (3) ✓ Area of a parallelogram 	<p>Geometry – Properties and Shapes: Geometry</p> <p>Draw 2-D shapes using given dimensions and angles.</p> <p>Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.</p> <p>Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Measure with a protractor ✓ Introduce angles ✓ Calculate angles ✓ Vertically opposite angles ✓ Angles - triangles ✓ Angles – special cases ✓ Find missing angles ✓ Angles - quadrilaterals ✓ Angles – regular polygons ✓ Draw shapes ✓ Draw nets 	<p>Geometry – Position and Direction: Position and Movement</p> <p>Describe positions on the full coordinate grid (all four quadrants).</p> <p>Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Coordinates in the first quadrant ✓ Plotting coordinates ✓ Translations ✓ Reflections ✓ Reasoning about shapes with coordinates 	<p>Statistics: Graphs and Averages</p> <p>Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.</p> <p>Interpret and construct pie charts and line graphs and use these to solve problems.</p> <p>Calculate the mean as an average.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Read and interpret line graphs ✓ Draw line graphs ✓ Use line graphs to solve problems ✓ Circles ✓ Read and interpret pie charts ✓ Pie charts with percentages ✓ Draw pie charts ✓ The mean 	<p>PUMA and Logic and problem solving puzzles</p>	<p>Statistics: Graphs and Averages</p> <p>Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.</p> <p>Interpret and construct pie charts and line graphs and use these to solve problems.</p> <p>Calculate the mean as an average.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Read and interpret line graphs ✓ Draw line graphs ✓ Use line graphs to solve problems ✓ Circles ✓ Read and interpret pie charts ✓ Pie charts with percentages ✓ Draw pie charts ✓ The mean



Summer Term 1					
	Week 1	Week 2	Week 3	Week 4	Week 5
Y6	Number and Place Value: Negative Numbers	Measurement: Volume	Revision	SATS Week	Geometry – Position and Direction: Position and Movement
	Use negative numbers in context, and calculate intervals across zero. Small Steps ✓ Negative numbers	Calculate, estimate and compare volume of cubes and cuboids using standard units, including cm ³ , m ³ and extending to other units (mm ³ , km ³) Small Steps ✓ Volume – counting cubes ✓ Volume of a cuboid			Describe positions on the full coordinate grid (all four quadrants). Draw and translate simple shapes on the coordinate plane, and reflect them in the axes. Small Steps ✓ Coordinates in the first quadrant ✓ Plotting coordinates ✓ Translations ✓ Reflections ✓ Reasoning about shapes with coordinates



Summer Term 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Y6	Geometry – Properties and Shapes: Geometry		Statistics: Graphs and Averages	Revision and End-of-year (B) Tests and PUMA	Revisit topics		Consolidation
	<p>Draw 2-D shapes using given dimensions and angles.</p> <p>Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.</p> <p>Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Measure with a protractor ✓ Introduce angles ✓ Calculate angles ✓ Vertically opposite angles ✓ Angles - triangles ✓ Angles – special cases ✓ Find missing angles ✓ Angles - quadrilaterals ✓ Angles – regular polygons ✓ Draw shapes ✓ Draw nets 		<p>Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.</p> <p>Interpret and construct pie charts and line graphs and use these to solve problems.</p> <p>Calculate the mean as an average.</p> <p>Small Steps</p> <ul style="list-style-type: none"> ✓ Read and interpret line graphs ✓ Draw line graphs ✓ Use line graphs to solve problems ✓ Circles ✓ Read and interpret pie charts ✓ Pie charts with percentages ✓ Draw pie charts ✓ The mean 				