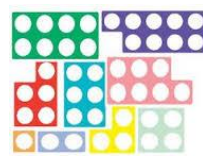
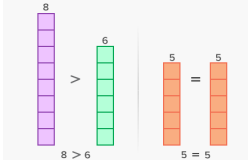
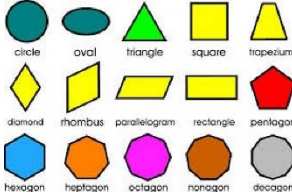
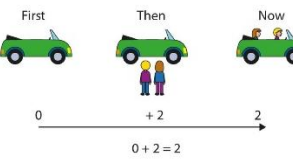

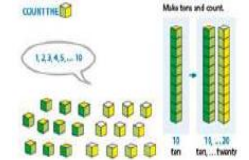


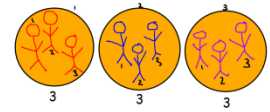
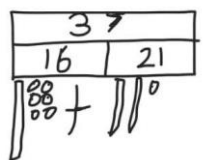


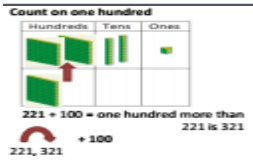
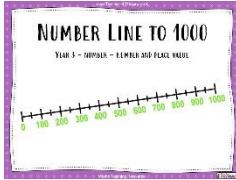


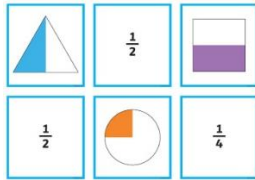
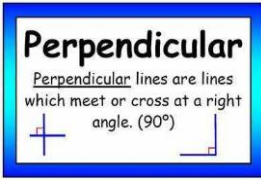
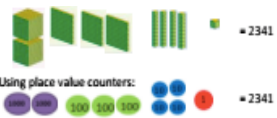
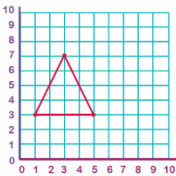
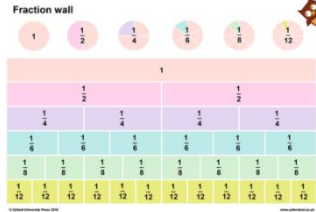





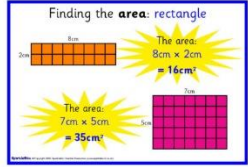
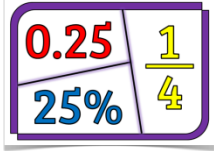
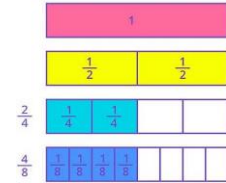
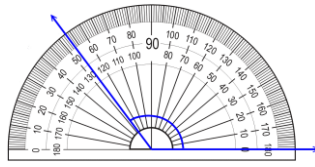



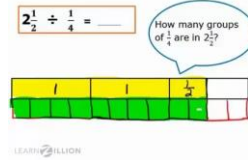


Mathematics at Morningside
Mastering Mathematics



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1						
	<p>We love numbers up to 100</p> <ul style="list-style-type: none"> Counting Ordering Comparing Subitising 	<p>We are comparing quantities</p> <ul style="list-style-type: none"> Comparing Part-whole relationships Fluency with numbers to 5 	<p>We are sorting shapes</p> <ul style="list-style-type: none"> Recognising Composing Decomposing Fluency with numbers to 10 	<p>We are adding and subtracting</p> <ul style="list-style-type: none"> Additive structures Addition and subtraction facts within 10 	<p>We are working with numbers to 20</p> <ul style="list-style-type: none"> Fluency with numbers to 20 Unitising 	<p>We are working with coins, position and time</p> <ul style="list-style-type: none"> Money Position Direction Time
Year 2			 <p>Multiplication Problem: $3 \times 3 = 9$</p>			
	<p>We are working with numbers from 10 to 100</p> <ul style="list-style-type: none"> Counting Ordering Comparing Doubling 	<p>We are calculating within 20</p> <ul style="list-style-type: none"> Adding Subtracting Crossing 10 	<p>We are multiplying</p> <ul style="list-style-type: none"> Repeated addition Arrays Sharing & grouping 2s, 5s and 10s Skip counting 	<p>We are adding and subtracting</p> <ul style="list-style-type: none"> Adding and subtracting 2-digit numbers shape 	<p>We are working with money, fractions and shapes</p> <ul style="list-style-type: none"> Money Fractions Time Position Direction 	<p>We are multiplying, dividing and measuring</p> <ul style="list-style-type: none"> Doubling Halving Dividing Capacity Volume Mass

Curriculum Overview: Mathematics

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	 <p>Count on one hundred</p> <p>221 + 100 = one hundred more than 221 is 321</p>	 <p>NUMBER LINE TO 1000</p> <p>YEAR 3 - HUNDREDS - TENS AND ONES PLACE VALUE</p>				 <p>Perpendicular</p> <p>Perpendicular lines are lines which meet or cross at a right angle. (90°)</p>
	<p>We are fluent and calculating to 1000.</p> <ul style="list-style-type: none"> Ordering Comparing Place value Adding and subtracting across 10 	<p>We are fluent and calculating to 1000.</p> <ul style="list-style-type: none"> Ordering Comparing Place value Decomposing Partitioning 	<p>We are securing mental calculation</p> <ul style="list-style-type: none"> Mental strategies Additive relationships Right angles 	<p>We are adding, subtracting and multiplying</p> <ul style="list-style-type: none"> Column addition Column subtraction 2, 4 and 8 times tables 	<p>We are finding fractions.</p> <ul style="list-style-type: none"> Unit fractions 	<p>We are finding fractions, and working with shape and time</p> <ul style="list-style-type: none"> Non-unit fractions Parallel sides Perpendicular sides time
Year 4	 <p>Using place value counters: = 2341</p>	<p>5 x 6 = 30</p> <p>3 x 5 = 15</p> <p>4 x 9 = 36</p> <p>2 x 6 = 12</p>	<p>1x7 = 7 2x7 = 14 3x7 = 21</p> <p>4x7 = 28 5x7 = 35 6x7 = 42</p> <p>7x7 = 49 8x7 = 56 9x7 = 63</p> <p>10x7 = 70 11x7 = 77 12x7 = 84</p>			
	<p>We are fluent with numbers up to 10,000.</p> <ul style="list-style-type: none"> Column addition Column subtraction Numbers to 10,000 	<p>We are multiplying & finding perimeters</p> <ul style="list-style-type: none"> Perimeter 3 times table 6 times table 9 times table 	<p>We are securing our times tables and multiplying</p> <ul style="list-style-type: none"> 3 times table 6 times table 9 times table 7 times table and patterns Understanding and manipulating multiplicative relationships 	<p>We are multiplying and finding coordinates.</p> <ul style="list-style-type: none"> Understanding and manipulating multiplicative relationships coordinates 	<p>We are finding fractions</p> <ul style="list-style-type: none"> reviewing fractions fractions greater than 1 	<p>We are finding symmetry, time and dividing with remainders.</p> <ul style="list-style-type: none"> Lines of symmetry Time Division with remainders

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 5	 <p>Have you spotted a pattern?</p>					
	<p>We are working with decimals and money.</p> <ul style="list-style-type: none"> Decimal fractions Money 	<p>We are using negative numbers, & short multiplication & division.</p> <ul style="list-style-type: none"> Negative numbers Short multiplication Short division 	<p>We are find the area, scaling and calculation with decimals.</p> <ul style="list-style-type: none"> Area Scaling Calculating with decimal fractions 	<p>We are calculating with decimals, and finding factors, multiples and primes.</p> <ul style="list-style-type: none"> Calculating with decimal fractions Factors Multiples Primes 	<p>We are exploring fractions.</p> <ul style="list-style-type: none"> Adding Subtracting Multiplying Converting Equivalence 	<p>We are converting units, finding angles and describing transformations.</p> <ul style="list-style-type: none"> Measuring and drawing angles Calculating angles Reflection & translation Converting units
Year 6				 <p>How many groups of $\frac{1}{4}$ are in $2\frac{1}{2}$?</p>		
	<p>We are calculating using our knowledge of structures</p> <ul style="list-style-type: none"> Addition Subtraction Multiplication Division Mental strategies 	<p>We are becoming fluent in numbers up to 10,000,000.</p> <ul style="list-style-type: none"> Ordering, comparing and place value Negative numbers Multiples of 1,000 Addition Subtraction Draw, compose and decompose shapes 	<p>We are multiplying, dividing, and working on shape.</p> <ul style="list-style-type: none"> Long multiplication Long division Area Perimeter Position Direction 	<p>We are learning about fractions, decimals and statistics</p> <ul style="list-style-type: none"> Fractions Decimals Statistics 	<p>We are solving problems.</p> <ul style="list-style-type: none"> Statistics Ratio and proportion BIDMAS Mean average Solving problems with 2 unknowns 	<p>We are investigating, and preparing for secondary school.</p> <ul style="list-style-type: none"> MEI transition unit: calculators Investigations Consolidating our Year 6 work