

<b>A U T U M N  1</b>	YR	6 <sup>th</sup> September	13 <sup>th</sup> September	20 <sup>th</sup> September	27 <sup>th</sup> September	4 <sup>th</sup> October	11 <sup>th</sup> October	18 <sup>th</sup> October	
	NURSERY	To recognise and name colours in a variety of contexts To match colours Begin to categorise objects according to various properties To recognise and name simple AB patterns							
	RECEPTION	GETTING TO KNOW YOU	MATCH AND SORT COMPARE AMOUNTS COMPARE SIZE, MASS AND CAPACITY EXPLORING PATTERN				REPRESENTING 1, 2 AND 3		
	1	<b>NUMBER :</b> PLACE VALUE WITHIN 10  Count to and across 10, forwards and backwards,	<b>NUMBER :</b> PLACE VALUE WITHIN 10  Count to and across 10, forwards and backwards,	<b>NUMBER :</b> PLACE VALUE WITHIN 10  Identify and represent numbers using objects and	<b>NUMBER :</b> PLACE VALUE WITHIN 10  Identify and represent numbers using objects and	<b>NUMBER :</b> ADDITION AND SUBTRACTION (WITHIN 10)	<b>NUMBER :</b> ADDITION AND SUBTRACTION (WITHIN 10)  Compose numbers to 10, from 2 parts and	<b>NUMBER :</b> ADDITION AND SUBTRACTION (WITHIN 10)  Read, write and interpret mathematical	

		<p>beginning with 0 or 1, or from any given number</p> <p>Identify and represent numbers using objects and pictorial representations</p> <p>Count, read and write numbers to 10 in numerals</p>	<p>beginning with 0 or 1, or from any given number</p> <p>Given a number, identify one more and one less</p> <p>Count, read and write numbers to 10 in numerals and words</p>	<p>pictorial representations including the number line, &amp; use language of: equal to, more than, less than (fewer), most, least</p> <p>Reason about the location of numbers to 10 in the linear number system, including comparing using <math>&gt;</math>, <math>&lt;</math> and <math>=</math></p> <p>Count, read and write numbers to 10 in numerals and words</p>	<p>pictorial representations including the number line, &amp; use language of: equal to, more than, less than (fewer), most, least</p> <p>Count, read and write numbers to 10 in numerals and words</p>	<p>Compose numbers to 10, from 2 parts and partition numbers to 10 into parts, including recognising odd and even numbers</p>	<p>partition numbers to 10 into parts, including recognising odd and even numbers</p> <p>Read, write and interpret mathematical statements involving addition (+), subtraction (<math>-</math>) and equals (=) signs</p> <p>Represent and use number bonds to 10</p>	<p>statements involving addition (+), subtraction (<math>-</math>) and equals (=) signs</p> <p>Represent and use number bonds to 10 and related subtraction facts</p>
		<p><b>Basic Skills</b></p> <p>Count to and across 10, forwards and backwards, beginning with 0 or 1, or from any given number</p> <p>Count, read and write numbers to 10 in numerals</p> <p>Identify one more and one less than any given number</p> <p>Identify and represent numbers using objects pictorial representations</p> <p>Memorise and reason with number bonds to 10</p> <p>Read and write numbers from 1 to 10 in numerals and words</p> <p>Reason about the location of numbers to 10 within the linear number system, including comparing using <math>&lt;</math> <math>&gt;</math> and <math>=</math></p> <p>Compose numbers to 10 from 2 parts, and partition numbers to 10 into parts</p> <p>Recognise and name common 2-D shapes</p>						

		Recognise and name common 3D shapes					
2	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number (Y1)</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <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>Compose and decompose 2 digit numbers, using standard and non-standard partitioning</p> <p>Identify, represent and estimate numbers using different representations,</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Reason about the location of any 2 digit number on the linear system, including identifying the previous and next multiple of 10</p> <p>Compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></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 or backward ( Y1 ) (3's – Y2)</p>	<p><b><u>NUMBER :</u></b> <b>ADDITION AND SUBTRACTION</b></p> <p>Recall and use addition and subtraction facts to 10 and 20 fluently,</p> <p>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</p> <p>Derive and use related facts up to 100</p>	<p><b><u>NUMBER :</u></b> <b>ADDITION AND SUBTRACTION</b></p> <p>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> <li>* a two-digit number and ones</li> <li>* a two-digit number and tens</li> <li>* two two-digit numbers</li> </ul> <p>Solve problems with addition and subtraction, using concrete, pictorial and abstract representations</p>	<p><b><u>NUMBER :</u></b> <b>ADDITION AND SUBTRACTION</b></p> <p>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> <li>* a two-digit number and ones</li> <li>* a two-digit number and tens</li> <li>* two two-digit numbers</li> </ul> <p>Solve problems with addition and subtraction, using concrete, pictorial and abstract representations</p>

			including the number line			Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems		
		<p><b>Basic Skills</b></p> <p>Count, read and write numbers to 100 in numerals</p> <p>Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</p> <p>Recognise the place value of each digit in a two-digit number (tens, ones)</p> <p>Count in multiples of twos, fives and tens</p> <p>Memorise and reason with number bonds to 10 and 20</p> <p>Add and subtract numbers mentally using the appropriate strategies and jottings</p> <p>Partition numbers in different ways</p> <p>Compare and order numbers from 0 up to 100</p> <p>use &lt; &gt; and = signs</p> <p>Find 10 more and 1 less than a given number</p> <p>Recognise zero as a place holder</p> <p>Tell the time to the hour and half past the hour</p> <p>Tell the time to quarter past and quarter to the hour</p> <p>Recognise and name common 2D shapes</p> <p>Recognise and name common 3D shapes</p> <p>Recognise and know the value of different denominations of coins and notes</p> <p>Find different combinations of coins to make particular values</p>						

3	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Identify, represent and estimate numbers to 100 using different representations, including the number line (Y2)</p> <p>Know that 10 tens are equivalent to 100 and 100 is 10 x bigger than 10. Identify and work out how many 10's there are in other 3 digit multiples of 10</p> <p>Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Read, and write numbers up to 1000 in numerals and words</p> <p>Compare and order numbers up to 1000</p> <p>Identify, represent and estimate numbers to 1000 using the number line. Reason about the location of any 3 digit number in the linear number system, including identifying the previous and next multiple of 100 and 10</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Find 1, (Y2) 10 or 100 more or less than a given number</p> <p>Divide 100 into 2, 4, 5 and 10 equal parts and read scales/number lines marked in multiples of 100's and 1000's with 2, 4, 5 and 10 equal parts</p> <p>Count from 0 in multiples of 50</p>	<p><b><u>NUMBER :</u></b> <b>ADDITION AND SUBTRACTION</b></p> <p>Add numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> <li>* a two-digit number and ones (Y2)</li> </ul> <p>Calculate complements to 100</p> <p>Add numbers mentally, including:</p> <ul style="list-style-type: none"> <li>* a three-digit number and ones</li> </ul>	<p><b><u>NUMBER :</u></b> <b>ADDITION AND SUBTRACTION</b></p> <p>Subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> <li>* a two-digit number and ones (Y2)</li> </ul> <p>Subtract numbers mentally, including:</p> <ul style="list-style-type: none"> <li>* a three-digit number and ones</li> </ul> <p>Add and subtract numbers mentally, including:</p> <ul style="list-style-type: none"> <li>* a three-digit number and tens</li> </ul> <p>Estimate the answer to a calculation and use inverse operations to check answers</p>	<p><b><u>NUMBER :</u></b> <b>ADDITION AND SUBTRACTION</b></p> <p>Add and subtract numbers mentally, including:</p> <ul style="list-style-type: none"> <li>* a three-digit number and hundreds</li> </ul> <p>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> <li>* a two-digit number and tens</li> <li>* two two-digit numbers (Y2)</li> </ul> <p>Understand the inverse relationship between addition and subtraction and how both relate to the part-part-whole structure. Understand the commutative property of addition and understand the related property of subtraction</p>	<p><b><u>NUMBER :</u></b> <b>ADDITION AND SUBTRACTION</b></p> <p>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</p> <p>Solve problems, including missing number problems and more complex addition and subtraction</p>
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		<p><b>Basic Skills</b></p> <p>Count across 100, forwards and backwards, in steps of 2, 3 and 5 from 0 and in tens from any given number</p> <p>Count from zero in multiples of 4, 8, 50 and 100 using bridging strategies</p> <p>Recognise the place value of each digit in a three-digit number</p> <p>Compare and order numbers up to 1000</p> <p>Read and write numbers to 1000</p> <p>Partition numbers into place value columns</p> <p>Partition numbers in different ways</p> <p>Recall addition and subtraction facts to 20 and derive and use related facts up to 100</p> <p>Find 10 or 100 more of less than a given number</p> <p>Add and subtract a series of one-digit numbers</p> <p>Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.</p> <p>Find different combinations of coins to make particular values</p> <p>Tell and write the time from a 12-hour analogue clock</p> <p>Recall multiplication facts and related division facts for 2, 3, 4, 5, 8 and 10 times tables</p> <p>Round any three digit number to the nearest 10 and 100</p> <p>Identify and describe the properties of 2-D and 3-D shapes</p>						

4	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) (Y3) Know that 10 tens are equivalent to 100 and 100 is 10 x bigger than 10. Identify and work out how many 10's there are in other 3 digit multiples of 10 (Y3)</p> <p>Compare and order numbers up to 1 000 (Y3)</p> <p>Reason about the location of any 3 digit number in the linear number system, including identifying the previous and next</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Order and compare numbers beyond 1000</p> <p>Identify, represent and estimate numbers using different representations</p> <p>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) Know that 10 hundreds are equivalent to 1000, and that 1000 is 10 x bigger than 100. Identify how many 100's there are in other 4 digit multiples of 100</p> <p>Find 1, (Y2) 10 or 100 more or less</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Count in multiples of 1000</p> <p>Find 1000 more or less than a given number</p> <p>Order and compare numbers beyond 1000</p> <p>Reason about the location of any 4 digit number in the linear number system, including identifying the previous and next multiple of 100 and 1000</p> <p>Round any number to the nearest 1 000</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Divide 100 and 1000 into 2, 4, 5 and 10 equal parts and read scales/number lines marked in multiples of 100's and 1000's with 2, 4, 5 and 10 equal parts.</p> <p>Count in multiples of 25</p> <p>Count backwards through zero to include negative numbers</p> <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><b><u>NUMBER :</u></b> <b>ADDITION AND SUBTRACTION</b></p> <p>Add numbers with up to three digits, using formal written methods of columnar addition and subtraction (Y3)</p> <p>Add numbers with up to 4 digits using the formal written methods of columnar addition</p>	<p><b><u>NUMBER :</u></b> <b>ADDITION AND SUBTRACTION</b></p> <p>Subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction (Y3)</p> <p>Subtract numbers with up to 4 digits using the formal written methods of columnar subtraction</p>	<p><b><u>NUMBER :</u></b> <b>ADDITION AND SUBTRACTION</b></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>
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		<p>multiple of 100 and 10 (Y3) (3NPV- 3)</p> <p>Round any 3 digit number to the nearest 10, 100</p>	<p>than a given number (Y3)</p>					
		<p><b>Basic Skills</b></p> <p>Read and write numbers up to 10,000 and recognise the place value of each digit            Recognise the place vale of each digit in a three and four – digit number            Compare and order numbers up to 10,000            Partition numbers into place value columns            Partition numbers in different ways            Count from zero in multiples of 4, 8, 50 and 100 using bridging strategies            Recall multiplication facts and related division facts for 2 3,4, 5,6, 8, 10 times tables            Round any three- digit number to the nearest 10 and 100            Multiply any three-digit number by 10 and any two-digit number by 100            Divide any three – digit multiple of 10 by ten and hundred            Use knowledge of complements to 100 to find change from whole pounds            Tell and write the time from a 12-hour analogue clock and a clock with Roman numerals and a digital clock display            Reason about the location of any four-digit number in the linear number system, including identifying the previous            Counting up in multiples of 1000            Secure fluency in addition and subtraction facts that bridge 10            Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts.            Convert between measures</p>						

5	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) (Y4)</p> <p>Order and compare numbers to 10 000</p> <p>Round any number to the nearest 10, 100 (Y4)</p> <p>Round any number to the nearest 10, 100 or 1 000</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Read, write, order and compare numbers to 100,000 and determine the value of each digit</p> <p>Round numbers up to 100,000 to the nearest 10, 100, 1000</p> <p>Read and write numbers to at least 1 000 000 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 1, 000,000</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Order and compare numbers to at least 1 000 000 and determine the value of each digit</p> <p>Round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000</p> <p>Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero</p> <p>Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE-DECIMALS</b></p> <p>Read and write decimal numbers as fractions</p> <p>Recognise the place value of each digit in numbers with up to 2 decimal places and compose and decompose numbers with up to 2 decimal places using standard and non-standard partitioning</p> <p>Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE-DECIMALS</b></p> <p>Read, write, order and compare numbers with up to three decimal places</p> <p>Reason about the location of any number up to 2 decimal places in the linear number system, including identifying the previous and next multiple of 1 and 0.1</p> <p>Round decimals with two decimal places to the nearest whole number and to one decimal place</p>	<p><b><u>NUMBER :</u></b> <b>ADDITION AND SUBTRACTION</b></p> <p>Divide 1 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in units of 1 with 2, 4, 5 and 10 equal parts</p> <p>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition (Y4)</p> <p>Add whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)</p>	<p><b><u>NUMBER :</u></b> <b>ADDITION AND SUBTRACTION</b></p> <p>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy</p> <p>Estimate and use inverse operations to check answers to a calculation (Y4)</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</p>
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	<p><b><u>Basic Skills</u></b></p> <p>Recognise the place value in large whole numbers to at least 1,000, 000                  Read and write numbers up to 1,000,000 and determine the place value of each digit                  Compare and order numbers to at least 1,000, 000                  Partition numbers into place value columns                  Partition numbers in different ways                  Count forward and backwards in steps of powers of 10 for any given number up to 1,000,000                  Count up and down in tenths, hundredths and thousandths in decimals and fractions including bridging zero                  Multiply and divide whole numbers including those involving decimals by 10, 100                  Double any number between 1 and 1000 and find all corresponding halves                  Use known facts and knowledge of multiples to drive new facts                  Use knowledge of place value to derive new addition and subtraction facts                  Recall multiplication facts and related division facts for tables up to 12 x 12                  Use knowledge of inverse to derive associated multiplication and division facts                  Round any four-digit number to the nearest 10, 100 and 1000                  Tell and write the time from a 12-hour analogue clock and a clock with Roman numerals and a digital clock display                  Read, tell and write the time from a 24 hour clock                  Convert between 12 and 24 hour clocks</p>						
6	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Order and compare numbers to 10 000, 100000, 1,000,000 (Y5)</p> <p>Read, write, order and compare numbers up to</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Reason about the location of any number up to 10 million, and compose and decompose numbers up to 10 million, using standard and non-</p>	<p><b><u>NUMBER :</u></b> <b>PLACE VALUE</b></p> <p>Round any whole number to a required degree of accuracy</p> <p>Divide powers of 10, from 1 hundredth, to 10 million, into 2, 4, 5 and 10 equal parts and read scales/ number lines with</p>	<p><b><u>NUMBER :</u></b> <b>ADDITION AND SUBTRACTION</b></p> <p>Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar</p>	<p><b><u>NUMBER :</u></b> <b>MULTIPLICATION AND DIVISION</b></p> <p>Multiply numbers up to 4 digits by a one digit number using a formal written method, (Y5)</p> <p>Multiply 2 digit by 2 digit and a 3 digit number by 2 digit number using a</p>	<p><b><u>NUMBER :</u></b> <b>MULTIPLICATION AND DIVISION</b></p> <p>Identify factors (Y5) common factors,</p> <p>Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders</p>	<p><b><u>NUMBER :</u></b> <b>MULTIPLICATION AND DIVISION</b></p> <p>Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as</p>

		<p>10 000 000 and determine the value of each digit</p>	<p>standard partitioning</p> <p>Round any number to the nearest 10, 100 or 1 000 (Y5)</p>	<p>labelled intervals divided into 2, 4, 5 and 10 equal parts</p> <p>Use negative numbers in context, and calculate intervals across zero</p>	<p>addition and subtraction) (Y5)</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why (Y5)</p> <p>Perform mental calculations, including with mixed operations and large numbers</p> <p>Use a given additive calculation to derive or complete a related calculation , using arithmetic properties, inverse relationships and place value understanding.</p>	<p>formal written method (Y5)</p> <p>Solve problems involving addition, subtraction, multiplication</p> <p>Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication</p>	<p>appropriately for the context (Y5)</p> <p>Divide numbers up to 4-digits by a two-digit whole number using the formal written method of short division where appropriate for the context</p>	<p>appropriate for the context</p> <p>Solve problems involving division and problems which require answers to be rounded to specified degrees of accuracy</p> <p>Perform mental calculations, including with mixed operations and large numbers</p>
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## **Basic Skills**

Count forward and backwards in steps of power of 10 for any given number up to 10, 000, 000

Count forwards and backwards with positive and negative whole numbers including zero and calculate intervals across zero

Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit

Recognise the place value of decimal fractions, up to 3 decimal places

Partition numbers into place value columns

Partition numbers in different ways (non-standard)

Round to the nearest 10, 100, 1000

Count up and down in tenths, hundredths and thousandths in decimals and fractions including bridging zero for example on a number line

Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 giving answers up to 3 decimal places

Double any number between 1 and 1000 and find all corresponding halves

Recall multiplication facts and related division facts for tables up to 12 x 12

Reason about the location of any number with up to 2 decimal places in the linear number system,

Divide 1 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in units of 1 with 2, 4, 5 and 10 equal parts.

Find factors and multiples of positive whole numbers

Use factors to simplify fractions

Recognise and use square and cube numbers