



Sherdley Primary School

2022-2023

Maths: Number & Place Value Progression Statements – End of year expectations

COUNTING							
Preschool	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Count and recite numbers in order beyond 5.	Count objects, actions and sounds.	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number			Count backwards through zero to include negative numbers	Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero	Use negative numbers in context, and calculate intervals across zero
Count objects to 5 pointing using 1:1 correspondence.	Count an amount to 20.	Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens	Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward	Count from 0 in multiples of 4, 8, 50 and 100;	Count in multiples of 6, 7, 9, 25 and 1000	Count forwards or backwards in steps of powers of 10 for any given number up to 1000 000	
	Verbally count beyond 20	Given a number, identify one more and one less		Find 10 or 100 more or less than a given number	Find 1000 more or less than a given number		
COMPARING NUMBERS							
Understand the concept of more and less- can you get me more/ less? Compare amounts- use the language more and fewer than	Find 1 more and 1 less in numbers up to 10.	Use the language of: equal to, more than, less than (fewer), most, least	Compare and order numbers from 0 up to 100; use <, > and = signs	Compare and order numbers up to 1000	Order and compare numbers beyond 1000	Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)	Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)
	Use the language: more than and less than. Compare numerals- which one is more/ fewer?				<i>Compare numbers with the same number of decimal places up to two decimal places</i> (copied from Fractions)		
IDENTIFYING, REPRESENTING AND ESTIMATING NUMBERS							
	Estimate an amount by comparing it to another number – is it more than or fewer than	Identify and represent numbers using objects and pictorial representations including the number line	Identify, represent and estimate numbers using different representations, including the number line	Identify, represent and estimate numbers using different representations	Identify, represent and estimate numbers using different representations		



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READING AND WRITING NUMBERS (including Roman Numerals)							
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<p>Show me 1- 5 fingers.</p> <p>Match a numeral to the correct amount 1- 5.</p>	<p>Recognise the numbers 1-20.</p>	<p>Read and write numbers from 1 to 20 in numerals and words.</p>	<p>Read and write numbers to at least 100 in numerals and in words</p>	<p>Read and write numbers up to 1000 in numerals and in words</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>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers)</p>	<p>Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Understanding Place Value)</p>
				<p><i>Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</i> (copied from Measurement)</p>		<p>Read Roman numerals to 1 000 (M) and recognise years written in Roman numerals.</p>	
UNDERSTANDING PLACE VALUE							
<p>Subitise the numbers 1, 2 and 3.</p>	<p>Subitise the numbers 1- 6.</p> <p>Make teens numbers using tens and ones.</p>	<p>Subitise the numbers 1- 10.</p> <p>Make numbers up to 50 using tens and ones.</p>	<p>Recognise the place value of each digit in a two-digit number (tens, ones)</p>	<p>Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</p>	<p>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</p>	<p>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)</p>	<p>Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)</p>
				<p>Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths (copied from Fractions)</p>	<p>Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (copied from Fractions)</p>	<p>Identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places (copied from Fractions)</p>	

ROUNDING							
Preschool	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
					<p>Round any number to the nearest 10, 100 or 1 000</p>	<p>Round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000</p>	<p>Round any whole number to a required degree of accuracy</p>
					<p>Round decimals with one decimal place to the nearest whole number (copied from Fractions)</p>	<p>Round decimals with two decimal places to the nearest whole number and to one decimal place (copied from Fractions)</p>	<p>Solve problems which require answers to be rounded to specified degrees of accuracy (copied from Fractions)</p>



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PROBLEM SOLVING							
Solve a problem using the numbers to 5.	Find the missing number in addition and subtraction sentence problems.	Use place value and number facts to solve problems.	Use place value and number facts to solve problems	Solve number problems and practical problems involving these ideas.	Solve number and practical problems that involve all the above and with increasingly large positive numbers	Solve number problems and practical problems that involve all the above	Solve number and practical problems that involve all the above