



St. Joseph's Catholic Primary School Progression in Number and Place Value



COUNTING						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
(40-60 months) Count objects, actions and sounds Count beyond 10 ELG Verbally count beyond 20, recognising the pattern of the counting system.	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 in tenths and hundredths	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 in multiples of twos, fives and tens from 10	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	
(40-60 months) Understand the 'one more than/one less than' relationship between consecutive numbers.	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						
(40-60 months) Compare numbers ELG Compare quantities up to 10 in different	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	read, write, order and compare numbers up to 10 000 000 and determine the value of each
				<i>compare numbers with the same number of decimal</i>		



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contexts, recognising when one quantity is greater than, less than or the same as the other quantity.				<i>places up to two decimal places</i> (copied from Fractions)	of each digit (appears also in Reading and Writing Numbers)	digit (appears also in Reading and Writing Numbers)
IDENTIFYING, REPRESENTING AND ESTIMATING NUMBERS						
<p>(40 – 60 months) Subitise Explore the composition of numbers up to 10</p> <p>ELG Subitise up to 5 Have a deep understanding of numbers to 10, including the composition of each number.</p> <p>Explore and represent patterns within numbers up to 10, including evens and odds, double facts.</p>	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 a variety of representations	identify, represent and estimate numbers using a variety of representations		



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READING AND WRITING NUMBERS (inc Roman Numerals)						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
(40-60) link the numeral with its cardinal number value. Read and write numbers in numerals.	read and write numbers from 1 to 20 in numerals and words.	read and write numbers to at least 100 in numerals and in words	read and write numbers up to 1000 in numerals and in words		read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers)	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Understanding Place Value)
			<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 (copied from Measurement)</i>	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.	read Roman numerals to 1000 (M) and recognise years written in Roman numerals.	
UNDERSTANDING PLACE VALUE						
	recognise the place value of each digit in a two-digit number (tens, ones) up to 20	recognise the place value of each digit in a two-digit number (tens, ones) up to 100	recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)	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)



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			<i>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)</i>	<i>recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (copied from Fractions)</i>	<i>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)</i>
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ROUNDING					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			round any number to the nearest 10, 100 or 1 000	round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000	round any whole number to a required degree of accuracy up to 2 decimal places.
			<i>round decimals with one decimal place to the nearest whole number</i> (copied from Fractions)	<i>round decimals with two decimal places to the nearest whole number and to one decimal place</i> (copied from Fractions)	<i>solve problems which require answers to be rounded to specified degrees of accuracy</i> (copied from Fractions)
PROBLEM SOLVING					
	use place value and number facts to solve problems including previous years learning	solve number problems and practical problems involving these ideas including previous years learning	solve number and practical problems that involve all of the above and with increasingly large positive numbers including previous years learning	solve number problems and practical problems that involve all of the above including previous years learning	solve number and practical problems that involve all of the above including previous years learning