

Progression in Mathematics: Number and Place Value

Concept	YR	Nursery and EYFS	Year 1 and Year 2	Year 3 and Year 4	Year 5 and Year 6
Counting	Counting	recognises numbers 1-5 counts up to 3 or 4 objects counts actions or objects counts objects to 10 and beginning to count beyond 10 count with reliability with numbers from 1-20 place numbers in order and say	count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number 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 and backward	count from 0 in multiples of 4,8,50 and 100; find 10 or 100 more or less than a given number count in multiples of 6,7,9,25 and 1000 count backwards through zero to include negative numbers	count or forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 count forwards and backwards with positive and negative whole numbers; including through zero
		which number is one more or one less than a given number			

Represent	Represent	Show 'finger numbers' up to 5 link numerals and amounts experiment with their own symbols and marks as well as numerals	identify and represent numbers using objects and pictorial representations read and write numbers from 1-20 in numerals and words read and write numbers to 100 in numerals	identify, represent and estimate numbers using different representations read and write numbers up to 1000 in numerals and in words identify, represent and estimate numbers using different	read, write, (order and compare) numbers to at least 1000 000 and determine the value of each digit. read Roman numerals to 1000 (M) And recognise years written in	
		Œ		read and write numbers to at least 100 in numerals and in words	representations	Roman numerals
					read Roman numerals to 100 (1 to	read, write,
				identify, represent and estimate	C) and know that over time, the	(order and compare) numbers
				numbers using different	numeral system changed to include	up to
				representations including the number	the concept of the zero and place	10 000 000 and determine the
				line	value	value of each digit

		estimates how many objects they can see and then checks by		recognise the place value of each	
		counting them	given a number, identify one more and one less	digit in a 3 digit number (hundred,tens,ones)	read, write, order and compare numbers to at least
		finds the total number of items	recognise the place value of each digit		1 000 000 and determine the
Use PV and		in two groups by counting all of them	in a two-digit number(tens, ones)	compare and order numbers up to 1000	value of each digit
Compare	ē		compare and order numbers from 0 up	find 1000 more or less than a given	read, write, order and
	Compare	says the number that is one	to 100;use < > and=	number	compare numbers to at least
	οu	more /one less from a group of 5			10.000 000 and determine the
	O p	objects ,then 10	use place value and number facts to	recognise the place value of each	value of each digit
	and	estimates how many objects	solve problems	digit in a 4 digit number	
	≥	they can see and then checks by		(thousands, hundreds, tens and	
	Use	counting them		ones)	
	_	finds the total number of items in two groups by counting all of them		order and compare numbers beyond 1000	
		says the number that is one			
		more /one less from a group of 5			
		objects ,then 10			

Problems Solving and Rounding	Problems and Rounding			solve number problems and practical problems involving these ideas round any number to the nearest 10, 100 or 1000 solve number and practical problems that involve all of the above and with increasingly large positive numbers	round up any number to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 solve number and practical problems that involve all of the above round any whole number to a required degree of accuracy use negative numbers in context, and calculate intervals across zero
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