

Number and Place Value

Stage	CDM Ref.	Small Steps	
0		I can pay attention to and watch counting activities.	
		I can point to each object as we count them.	
		The counting sequence stays the same.	
		The last number counted represents how many are in the set.	
		As you count, the quantity increases.	
		Each object in the set is counted once and once only.	
		Count things that can be seen at a distance, not touched or moved.	
		Count things that we see, but then they are not visible.	
		Count things that happen or we hear	
		Count items onto a number track	
		The count of objects can begin with any object in the set and the total will remain the same	
		The count for a set of objects remains the same even if the objects are moved around, as long as no objects are added or removed.	
		The count for a set of objects gives the quantity regardless of the size or type of objects.	
			I can identify and represent 1 physically and pictorially
			I can identify the numeral for 1 and match it to the corresponding amount
	I can identify and represent 2 physically and pictorially		
	I can identify the numeral for 2 and match it to the corresponding amount		
	I can identify and represent 3 physically and pictorially		
	I can identify the numeral for 3 and match it to the corresponding amount		
	I can identify and represent 4 physically and pictorially		
	I can identify the numeral for 4 and match it to the corresponding amount		
	I can identify and represent 5 physically and pictorially		
	I can identify the numeral for 5 and match it to the corresponding amount		
	I can identify and represent 6 physically and pictorially		
	I can identify the numeral for 6 and match it to the corresponding amount		
	I can identify and represent 7 physically and pictorially		
	I can identify the numeral for 7 and match it to the corresponding amount		
	I can identify and represent 8 physically and pictorially		
	I can identify the numeral for 8 and match it to the corresponding amount		
	I can identify and represent 9 physically and pictorially		
I can identify the numeral for 9 and match it to the corresponding amount			
I understand numbers above 9 use two digits			
I can identify and represent 10 physically and pictorially			
I can identify the numerals for 10 and match it to the corresponding amount			
I can identify and represent 11 physically and pictorially			
I can identify the numeral for 11 and match it to the corresponding amount			
I can identify and represent 12 physically and pictorially			
I can identify the numeral for 12 and match it to the corresponding amount			
I can identify and represent 13 physically and pictorially			
I can identify the numeral for 13 and match it to the corresponding amount			
I can identify and represent 14 physically and pictorially			
I can identify the numeral for 14 and match it to the corresponding amount			
I can identify and represent 15 physically and pictorially			
I can identify the numeral for 15 and match it to the corresponding amount			
I can identify and represent 16 physically and pictorially			
I can identify the numeral for 16 and match it to the corresponding amount			
I can identify and represent 17 physically and pictorially			
I can identify the numeral for 17 and match it to the corresponding amount			
I can identify and represent 18 physically and pictorially			
I can identify the numeral for 18 and match it to the corresponding amount			
I can identify and represent 19 physically and pictorially			
I can identify the numeral for 19 and match it to the corresponding amount			
1	1.1	Count at least 20 objects	
		Represent numbers from 10 to at least 20	

		Explore the structure of numbers up to at least 20	
		Represent numbers to at least 20 on a number line	
		Estimate numbers on a number line	
		Count forwards from a given number to another given number	
		Count backwards from a given number to another given number	
		Read numbers 0 – 20 in words and write using numerals	
		Read numbers 0 – 20 in numerals and write in words	
		Compare numbers identifying which one is more	
		Compare number identifying which one is less	
		Order numbers	
		Find 1 more than a number up to at least 20	
		Find 1 less than a number up to at least 20	
		1.4	Count up to 100
		1.4	Explore the structure of numbers up to 100
1.4	Recognise the patterns in the number sequence 1-100		
1.4	Represent numbers on a number line		
1.4	Estimate numbers on a number line		
1.4	Count forwards from a given number to another given number.		
1.4	Count backwards from a given number to another given number		
1.4	Compare 2-digit numbers identifying which one is more		
1.4	Compare 2-digit numbers identifying which one is less		
1.4	Order 2-digit numbers		
1.4	Find 1 more than a number 100		
1.4	Find 1 less than a number to 100		
2	2.1	Represent 2-digit numbers	
		Recognise the value of digits in 2-digit numbers	
		Partition 2-digit numbers in different ways	
		Read 2-digit numbers in words and write using numerals	
		Read 2-digit numbers in numerals and write in words	
		Identify 2-digit numbers on a number line	
		Represent 2-digit numbers on a number line	
		Estimate numbers on a number line	
		Compare any two 2-digit numbers using $<$ $>$ and $=$	
		Order 2-digit numbers with different tens from smallest to greatest	
		Order 2-digit numbers with the same tens from smallest to greatest	
		Order 2-digit numbers	
		Find 10 more than a given number	
		Find 10 less than a given number	
3	3.1	Represent 3-digit numbers	
		Recognise the value of digits in 3-digit numbers	
		Partition 3-digit numbers in different ways	
		Read 3-digit numbers in words and write using numerals	
		Read 3-digit numbers in numerals and write in words	
		Read 3-digit numbers in words and write using numerals including zero as a place holder	
		Read 3-digit numbers in numerals and write in words, including zero as a place holder	
		Identify 3-digit numbers on a number line	
		Represent 3-digit numbers on a number line	
		Count in steps of 50 and 100 from zero	
		Count up in steps of 10 from any 2 or 3-digit number	
		Count back in steps of 10 from any 3-digit number	
		3.1	Count up in steps of 100 from any 2 or 3-digit number
		3.1	Count back in steps of 100 from any 3-digit number
	3.1	Find 10 more than a given number	
	3.1	Find 10 less than a given number	
	3.1	Find 100 more than a given number	
	3.1	Find 100 less than a given number	
	3.1	Compare any two 3-digit numbers	
	3.1	Order 3-digit numbers with different hundreds	

		Order 3-digit numbers with the same hundreds
		Order 3-digit numbers
		Find tenths of whole numbers and express as fractions and decimals
		Count up in tenths and position them on a number line
		Count down in tenths and position them on a number line
4	4.1a	Represent 4-digit numbers
		Recognise the value of digits in 4-digit numbers
		Read 4-digit numbers in words and write using numerals
		Read 4-digit numbers in numerals and write in words
		Read 4-digit numbers in words and write using numerals including zero as a place holder
		Read 4-digit numbers in numerals and write in words, including zero as a place holder
		Identify 4-digit numbers on a number line
		Represent 4-digit numbers on a number line
		Count in multiples of 25
		Count up in multiples of 1000 from any number
		Find 1000 more than a given number
		Find 1000 less than a given number
		4.1b
	Order 4-digit numbers with different thousands	
	Order 4-digit numbers with the same thousands	
	Round 2-digit numbers to the nearest 10	
	Round 3-digit numbers to the nearest 10	
	Round 4-digit numbers to the nearest 10	
	Round 3-digit numbers to the nearest 100	
	Round 3 and 4-digit numbers to the nearest 100	
Round 4-digit numbers to the nearest 1000		
Count backwards through zero to include negative numbers		
5	5.1a	Represent 5-digit numbers
		Recognise the value of digits in 5-digit numbers
		Read 5-digit numbers in words and write using numerals including zero as a place holder
		Read 5-digit numbers in numerals and write in words, including zero as a place holder
		Identify and represent 5-digit numbers on a number line
		Compare 5-digit numbers
		Represent numbers up to one million
		Recognise the value of digits in numbers up to one million
		Read 6-digit numbers in words and write using numerals including zero as a place holder
		Read 6-digit numbers in numerals and write in words, including zero as a place holder
	5.1b	Identify and represent 6-digit numbers on a number line
		Compare 6-digit numbers
		Order numbers up to one million
		Round any 5-digit number to the nearest 10 000
		Round any 6-digit number to the nearest 100 000
	5.6	Find prime numbers up to 20
		Find prime and composite numbers up to 20
		Express a given number as the product of prime factors
		Know how to test if a number up to 100 is prime
		Find the common factors of two numbers
		Find multiples of a given number
		Find square numbers and use the notation for squared
		Find cube numbers and use the notation for cubed
6	6.1	Represent 7-digit numbers
		Recognise the value of digits in 7-digit numbers
		Read 7-digit numbers in words and write using numerals including zero as a place holder

		Read 7-digit numbers in numerals and write in words, including zero as a place holder
		Identify and represent 7-digit numbers on a number line
		Compare numbers up to 10,000,000
		Order numbers up to 10,000,000
		Round whole numbers to different degrees of accuracy
		Understand and use negative numbers when working in context, such as temperature
		Calculate intervals across zero
	6.13	Identify the value of digits in decimal numbers
		Use simple formulae expressed in words (e.g. time needed to cook a chicken: allow 20 minutes plus 40 minutes per kilogram)
		Know the basic rules of algebraic notation
		Express missing number problems algebraically
		Find combinations of two variables
		Find pairs of numbers that satisfy an equation with two unknowns e.g. $a + b = 15$
		Generate a linear sequence from its description
		Describe and find the next terms of a linear sequence
		Find a missing term in a linear sequence
		Describe a number pattern algebraically
	6.15	Read, write and order numbers up to 10,000,000
		Calculate intervals across zero
		Find possible values in missing number problems involving one or two unknowns