

Progression of Skills in Maths

Nursery and Reception Progression Ladders



Yellow indicates Nursery Starting Point / Green is nursery end and reception starting point / Blue is end of Reception

	Mathematics										
	4 19-24 mths	5 25-30 cuths	6 31-36 այլիչ	7 37-42 mths	8 43-48 mths	9 49-54 დქე _ნ	10 55-60 gghs	11 61-66 gghs	12 67-72 դլլիչ	ELG	
Number	Matches one object with another object or picture during play. Participates in number rhymes and action games.	Organises a set of natural or everyclay objects in a group. Plays 'hicle and seek' with people and objects and knows that they exist even when out of sight.	Uses number names in play and imitates adult actions, note counting or saying counting words randomly alongside their physical actions. Shows spontaneous 'Interest' in numbers in the environment, books, rhymes and in soogs	Uses number names with increasing accuracy in their role play and purposefully uses number songs in play. Counts up to 3 objects. Can count alongside actions in games, thymps and songs. Explores mathematical resources in the provision in exercitation.	Souris up to 4 objects and can recognise 2 objects (moveable and non) without courting. Recognises some ruxmerals of personal significance and talks about ruxmbers in the everyday environment. Begins to recite numbers in order, with some inconsistencies. Attempts to court beyond 4 objects and explores number in play with growing <u>europose</u>	Recites numbers accurately to 5 demenstrating 'some' accuracy of numbers to 10. Counts small groups of manipulatives correctly, using 1:1 correspondence, whilst playing a variety of number games. Able to recite <u>exambles</u> forwards and backwards from 5. Counts small groups of fixed objects with accurate 1:1 correspondence. Uses graphic representations to record number explications in pictures and mark making.	Understands the relationship between a group of objects and the corresponding number. Counts reliably and creates groups of numbers up to at least 5 and 1g addg 1g place numerals to at least 5 in order. Accurately counts fixed objects to 5 and recognises numerals to at least 5 out of sequence. Recognises up to 3 objects (without counting) in a range of orientations and different size. In self-initiated play begins to record numbers and mathematical thinking with own purpose.	Counts reliably and creates groups of numbers to 10 using a range of objects and is able to place numerals to 10 in order. Data a range of objects to create 5 in offerent ways and recognises up to 5 objects (without counting) in a range of contential counting in a range of contential countries of the country to 10 forwards and backwards including from any given number. Accurately counts fixed objects to 10 and recognises numerals to 10 out of sequence. Is able to recall number bonds to 5 and knows some number pairs to 10, including double facts	facts and problem solving. Uses manipulatives to demonstrate some number bonds within 10.	Have a deep understanding of number to 10, including the composition of each number. • Subtitise (recognise quantities without counting) up to 5. • Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.	

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	19-24 mths	25-30 mths.	31-36 mths	37-42 mths.	43-48 mths.	49-54 mths.	55-60 mths.	61-66 ruths	67-72 mths	ELG
	Builds a tower or creates	Plays with a range of block/	Children explore pattern,	In play uses some language	When combining materials	Identifies groups of objects	Using resources can create	Verbally counts beyond 20.	Begin to count reliably with	Verbally count beyond 20,
1	lines with objects.	solid shapes to construct and	using manipulatives and		knows how to change an	that have more or less than	quantities which are greater	Uses resources to create	numbers from 10 to 20, they	
		· '		to compare quantities and						recognising the pattern of
	Uses signs or speech to	position.	puzzles in their independent	talk about position such as	amount (size, number) if	and the same. In child-led	than, less than, the same as a	parts of a whole, to partition	begin to place them in order	the counting system.
	request 'more'.	Fills and empties containers	play. Engages in lining up,	'on/in/under'. Joins in with	something is added or taken	play, is able to make groups	given number and may	pairs of numbers up to 10, to	and can write numerals with	 Compare quantities up to
		with growing purpose using	placing, arranging and	number songs which count	away. Is able to anticipate	of objects of the same	record these in pictures or	distribute quantities equally	some accuracy. Able to give	10 in different contexts,
		sand, water or other play	repositioning materials	on - one more, or count	which amount will be next in	quantity and begins to find	numerals. Can use resources	and represent double facts.	examples of numbers which	recognising when one
1 5		materials.	Recognises the pattern of	down - one less.	the context of one more/one	the totals by combining	and say one more or one less	Will demonstrate thinking	are greater than/less than	quantity is greater than, less
更			everyday familiar coutines.	Independently uses and	less number songs/rhymes.	groups.	than a given number and to	through use of verbal	for numbers beyond 10.	than or the same as the other
1 #			begins to notice that there is	demonstrates positional	With a purpose in mind,	Uses everyday language to	create equal groups.	number sentences / number	Verbally counts to 30 and	quantity.
<u>a</u>			an order and sequence to	language as part of everyday	recognises and selects simple	recreate and describe	Creates patterns by lining,	stories and may choose to	heyond	 Explore and represent
79			familiar events.	role play scenarios. Acts out	geometric shapes in their	patterns in nature or urban	placing, building and	record these.	Can talk about the properties	patterns within numbers up
1 .≅				exchange of objects, cards,	construction and block play.	environments, Uses	arranging. Orders three or	In everyday contexts children	of shape and patterns, using	to 10, including evens and
<u>=</u>				maney or goods when in role	Uses everyday vocabulary to	comparative language to	more measures (size, weight	are able to demonstrate	vocabulary to describe	ocks, double facts and how
=				play, in games or rhymes.	describe and compare	describe and compare	and capacity) whilst playing,	through talk or when	position, direction and	quantities can be distributed
Ιź				p-1,-10	measure (size, weight,	measures (size, weight,	for example with sand, water	responding to questions an	movement. Estimates,	equally.
-					capacity and time)	capacity and time).	or in the mud kitchen.	understanding of the number	measures, weighs, and can	equary.
					capacity and time)	Sabadio and unity.	or in the much dicher.	sequence, values, greater	compare and order objects.	
1								and less than, odd and even.	Talks about properties.	
								Use of measures (size, weight		
								and capacity) when	time.	
1		l	I					comparing and combining		
1								quantities.		
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