

Mathematics

ELG: Numerical Patterns



1. Verbally count beyond 20, recognising the pattern of the counting system			
Pre-school	Nursery	Reception & ELG	Links to Year 1
<ul style="list-style-type: none"> Count in everyday contexts – sometimes skipping numbers – ‘1-2-3-5’ Develop counting like behaviour, such as making sounds, pointing or saying some numbers in sequence 	<ul style="list-style-type: none"> Recite numbers past 5 Verbally count numbers to 10 Order numbers to 5 	<p style="color: green;">Verbally count beyond 20, recognising the pattern of the counting system</p> <ul style="list-style-type: none"> Count verbally beyond 20 Count objects, actions and sounds (to 10 and beyond) 	<ul style="list-style-type: none"> Count to and across 100 Count, read and write numbers to 100 in numerals Read and write numbers from 1 to 20 in numerals
Key Vocabulary			
Number, numeral, none, count, count (up) to, count on (from, to), count back (from, to), forwards, backwards, same, equal, odd, even, pair, greater than, more than, less than, fewer, more, larger, bigger, greater, fewer, smaller, less, fewest, smallest, least, most, biggest, largest, greatest, one more, last, before, after, next, between, above, below, give me			
2. Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity			
Pre-school	Nursery	Reception & ELG	Links to Year 1
<ul style="list-style-type: none"> Compare amounts saying lots, more, same. 	<ul style="list-style-type: none"> Compare quantities to 5 using vocabulary: more, less, fewer, same 	<p style="color: green;">Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity</p> <ul style="list-style-type: none"> Compare quantities to 10 using vocabulary greater than, less than and equal to Understand the one more/ one less than relationship between consecutive numbers 	<ul style="list-style-type: none"> Given a number, identify one more and one less
Key Vocabulary			
Number, numeral, none, count, count (up) to, count on (from, to), count back (from, to), forwards, backwards, same, equal, odd, even, pair, greater than, more than, less than, fewer, more, larger, bigger, greater, fewer, smaller, less, fewest, smallest, least, most, biggest, largest, greatest, one more, last, before, after, next, between, above, below, give me			
3. Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.			
Pre-school	Nursery	Reception & ELG	Links to Year 1
<ul style="list-style-type: none"> Explore counting different objects Explore counting different amounts 	<ul style="list-style-type: none"> Experiment with symbols and marks as well as numerals Solve real world maths problems such as sharing biscuits/milk between children Extend and create patterns Name a pattern (e.g. red, blue, red, blue) 	<p style="color: green;">Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.</p> <ul style="list-style-type: none"> Compare numbers Explore the composition of numbers to 10 Talk about odd and even numbers Say double facts Share equally Compare quantities using greater/ more than, fewer/ less than, the same/ equal 	<ul style="list-style-type: none"> Identify and represent numbers using objects and pictorial representations
Key Vocabulary			
same, equal, odd, even, pair, add, make, sum, total, altogether, double, half, halve, ... more, how many more to make ...? how many more is ... than ...? how much more is ...? Subtract, take away, how many are left/left over? how many have gone? ... less, how many fewer is ... than ...? how much less is ...? difference between, equals, number bonds/pairs/facts, missing number			

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4. Shape, space and measures (Not an ELG)

Pre-school	Nursery	Reception & ELG	Links to Year 1
<ul style="list-style-type: none"> Notice patterns and arrange things in patterns Build with a range of resources Combine shapes and objects e.g. stacking blocks/ cups Complete inset puzzles and jigsaws at different levels of difficulty Compare sizes, weights etc. using gesture and language – ‘bigger/little/smaller’, ‘high/low’, ‘tall’, ‘heavy’ 	<ul style="list-style-type: none"> Extend and create patterns ABAB patterns Talk about and identify the patterns around them, eg, stripes on clothes, designs on rugs and wallpaper Use informal language like pointy, spotty and blobs Make comparisons between objects relating to size, length, weight and capacity (with adult modelling and support) Talk about and explore 2D shapes (using informal vocab e.g. sides, straight, round, flat, corners) Explore 3D shapes during their play Select shapes appropriately: flat surfaces for building, triangular prism as a roof etc... Combine shapes to make new ones Begin to describe a sequence of events, real or fictional, using words such as first and then, days of the week Understand position through words alone eg “the bag is under the table” with no pointing Describe a familiar route Discuss routes and locations using words like ‘in front of’ and ‘behind’ 	<ul style="list-style-type: none"> Select, rotate and manipulate to develop spatial reasoning skills Continue, copy and create repeating patterns Notice and correct errors in repeating patterns Compare length, weight, height and capacity Find a balance Talk about 2D & 3D shapes (using vocab e.g. sides, straight, curved, flat, faces, edges, vertices/corners) Find 2D shapes within 3D shapes Name some 3D shapes Sequence a pattern of events using time language e.g. first, next, then. Explore and describe positional language (in, on, under, over, beside, between, in front, around, through, behind) Identify a set 	<ul style="list-style-type: none"> Recognise, find and name a half as one of two equal parts of an object, shape or quantity Compare, describe and solve practical problems for: length, weight, capacity

Key Vocabulary

Pattern, size, big, bigger, biggest, small, smaller, smallest, tall, taller, tallest, short, shorter, shortest, heavy, heavier, heaviest, light, lighter, lightest, repeat, 2D shapes (and their names), 3D shapes (and their names), sides, straight, round, flat, curved, faces, edges, vertices/corners, first, next, then, after, before, continue, copy, create, half

Assessment Tracker

Year Group	Term 1		Term 2		Term 3		Just Reception: ELG achieved?
	On track	Not on track	On track	Not on track	On track	Not on track	
Preschool							
Nursery							
Reception							