

Progression in Mathematics EYFS (Reception)

Share texts, songs, poems and rhymes to develop idea of number and mathematical ideas such as shape, pattern, space and measure.



Number

Count objects, actions and sounds.
Link the number symbol (numeral) with its cardinal number value.
Count beyond 10
Compare numbers
Understand the 'one more than/one less than' relationship between consecutive numbers.
Explore the composition of numbers to 10.



Autumn

Opportunities for settling in, getting to know the children and exploring the mathematical resources and provision in the classroom.
Key times of day and class routines.
Where do things belong in my classroom?
Numbers 0-5.
Subitising.
Representation of number—symbols, tally marks, fingers, arrangements, dice patterns.
Counting in sequence, using five frames.

Spring

Continue to develop reliable counting skills and understanding of place value.
Explore numbers 6-10.
Representing number in different ways with different resources.
One more/less 6-10.
More and less—number comparisons.
Combining groups for simple calculation.
Continue to practice subitising.

Summer

Consolidating number to 10.
Counting patterns beyond 10.
Building numbers beyond 10.
Place value.
Combining groups and splitting groups—Calculation skills for addition and subtraction.
Number bonds and number facts.

ELG—Number

- Have a deep understanding of number to 10, including the composition of each number.
- Subitise (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.

Numerical Patterns

Automatically recall number bonds for numbers 0-10.
Select, rotate and manipulate shapes in order to develop spatial reasoning skills.
Compose and decompose shapes so that children recognise that a shape can have other shapes within it, just as numbers can.
Continue, copy and create repeating patterns.
Compare length, weight and capacity.



Opportunities for settling in, getting to know the children and exploring the mathematical resources and provision in the classroom.
Key times of day and class routines.
Where do things belong in my classroom?
Introducing positional language and spatial awareness
Sorting and matching by shape, colour and size.
Shapes with 3 sides and 4 sides.
Pattern. 2D shape

3d shapes
Number facts to 5.
Number bonds to 5, arrangements and partitioning.
Measure—length and height
Continue to copy, continue and create new patterns.
Time
Making pairs
Number bonds to 10.

Spatial reasoning.—match rotate and manipulative.
Compose and decompose
Visualise and build
Patterns and relationships
Doubling, sharing and grouping.
Odd/even numbers

ELG: Numerical Patterns

- Verbally count beyond 20, recognising the pattern of the counting system.
- Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.
- Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.