



Progression of skills

EYFS

Mathematics

Rote Counting

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Counting Sequence	Recite numbers beyond 5.	Count beyond 10 and become familiar with the counting pattern.	Verbally count beyond 20, recognising the pattern of the counting system.
Forward Counting	Count forwards during play and routines.	Count forwards confidently from different starting numbers.	Apply counting skills confidently across contexts.
Confidence in Counting	Join in with counting songs and rhymes.	Count independently during learning and play.	Demonstrate confidence and fluency when counting.

Stable Order Principle

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Number Order	Say some numbers in the correct order.	Count accurately in sequence.	Count beyond 20 while recognising patterns.
Consistency	Use number names in the correct order most of the time.	Count reliably without missing numbers.	Demonstrate secure understanding of number order.
Application	Use counting language in play.	Apply counting in practical situations.	Use counting confidently to solve problems.

Cardinality

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
One-to-One Correspondence	Count objects, touching or moving each item.	Count objects accurately using one number name for each object.	Demonstrate secure counting and quantity understanding.
Last Number Principle	Know the last number counted tells how many there are altogether.	Explain how many objects are in a set after counting.	Demonstrate deep understanding of quantity to 10.
Quantity Recognition	Match quantities to small groups.	Link counting to quantity consistently.	Apply cardinal understanding confidently.

Numeral Recognition

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Recognising Numerals	Recognise some numerals in the environment.	Recognise numerals to 10 and beyond.	Apply numeral knowledge confidently.
Naming Numerals	Name familiar numerals.	Identify and name numerals accurately.	Recognise numerals quickly and accurately.
Numeral Matching	Match some numerals to quantities.	Match numerals to corresponding quantities.	Demonstrate secure understanding of numeral-value relationships.

Subitising

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Small Quantities	Instantly recognise up to 3 objects.	Instantly recognise quantities to 5.	Subitise confidently to 5.
Pattern Recognition	Notice familiar arrangements of objects.	Recognise structured arrangements such as dice patterns.	Use subitising to support number understanding.
Application	Use subitising during play.	Apply subitising during mathematical activities.	Demonstrate rapid recognition of small quantities.

Comparing Quantities

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
More and Fewer	Compare groups using language such as more and fewer.	Compare quantities and explain differences.	Compare quantities up to 10 in different contexts.
Same and Equal	Notice when groups contain the same amount.	Identify equal quantities.	Recognise when quantities are equal.
Reasoning	Describe simple comparisons.	Explain how they know which quantity is greater or smaller.	Justify comparisons using mathematical language.

Composition of Number

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Exploring Numbers	Explore numbers through practical play.	Understand that numbers can be made in different ways.	Demonstrate deep understanding of number composition to 10.
Part-Part-Whole	Begin to separate quantities into groups.	Explore different ways to partition numbers.	Explain number relationships confidently.
Flexible Thinking	Notice different representations of quantities.	Move flexibly between representations.	Apply understanding of composition fluently.

Number Bonds

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Combining Groups	Combine groups practically.	Explore and recall bonds to 5.	Automatically recall number bonds to 5.
Bonds to 10	Explore larger quantities through play.	Begin recalling some bonds to 10.	Recall some number bonds to 10.
Application	Use practical resources.	Apply number bonds during problem solving.	Use number bonds efficiently.

One More and One Less

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Increasing Quantities	Notice when more objects are added.	Find one more than a given number.	Explain number relationships confidently.
Decreasing Quantities	Notice when objects are removed.	Find one less than a given number.	Apply understanding fluently.
Number Relationships	Compare changing quantities.	Explain how numbers change.	Demonstrate secure understanding of number patterns.

Addition

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Combining Quantities	Join groups together during play.	Add quantities using practical resources.	Apply addition knowledge within number to 10.
Mathematical Language	Use words such as add and altogether.	Explain addition using mathematical language.	Solve simple addition problems confidently.
Recording	Represent addition through practical experiences.	Begin recording addition using pictures and symbols.	Apply understanding using a range of representations.

Subtraction

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Taking Away	Notice when objects are removed.	Subtract using practical resources.	Apply subtraction knowledge within number to 10.
Mathematical Language	Use language such as take away and fewer.	Explain subtraction using mathematical vocabulary.	Solve simple subtraction problems confidently.
Recording	Represent subtraction through play.	Record subtraction using pictures and symbols.	Use a range of representations to solve problems.

Numerical Patterns

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Repeating Patterns	Copy simple repeating patterns.	Continue, copy and create repeating patterns.	Recognise and create patterns confidently.
Number Patterns	Notice simple number patterns.	Explore patterns within number.	Explore doubles, odds, evens and equal groups.
Pattern Reasoning	Talk about patterns they notice.	Explain pattern rules.	Predict and extend patterns accurately.

Shape

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Shape Recognition	Talk about 2D and 3D shapes.	Recognise and name common shapes.	Apply shape knowledge during problem solving.
Shape Properties	Notice simple shape features.	Describe shapes using mathematical language.	Explain shape properties accurately.
Sorting Shapes	Sort shapes by simple features.	Sort shapes according to properties.	Justify shape classifications.

Spatial Reasoning

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Construction	Build with blocks and construction materials.	Select and combine shapes purposefully.	Apply spatial reasoning when solving problems.
Shape Manipulation	Explore fitting shapes together.	Rotate and manipulate shapes.	Recognise shapes within other shapes.
Visualisation	Recreate simple models.	Predict how shapes fit together.	Demonstrate strong spatial awareness.

Position and Direction

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Positional Language	Use words such as on, under and behind.	Use a wider range of positional language.	Apply positional language confidently.
Following Directions	Follow simple positional instructions.	Follow and give positional instructions.	Use positional understanding to solve problems.
Routes	Describe familiar routes.	Discuss locations and movement.	Apply directional language appropriately.

Length and Height

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Comparing	Compare objects by size.	Compare and order by length and height.	Apply comparative language accurately.
Mathematical Language	Use words such as big and small.	Use longer, shorter, taller and shorter.	Explain comparisons confidently.

Weight

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Comparing Weight	Explore heavy and light objects.	Compare and order objects by weight.	Apply understanding of weight confidently.
Vocabulary	Use simple comparative language.	Use heavier and lighter accurately.	Use mathematical vocabulary appropriately.

Capacity

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Exploration	Explore filling and emptying containers.	Compare capacity practically.	Apply understanding of capacity during investigations.
Vocabulary	Use words such as full and empty.	Use fuller, emptier and capacity.	Explain capacity comparisons accurately.

Time

	<u>3-4 Years</u>	<u>Reception</u>	<u>ELG</u>
Daily Routines	Notice events throughout the day.	Talk about daily routines and sequences.	Demonstrate awareness of time through everyday experiences.
Sequencing Events	Describe what happens next.	Order events in familiar routines.	Understand and explain sequences of events.
Time Language	Use words such as now and next.	Use before, after, yesterday and tomorrow.	Apply time vocabulary confidently.