

Numicon teaching progression: Number, Pattern and Calculating 5 and Geometry, Measurement and Statistics 5

The Numicon teaching progression chart gives an overview of the expected coverage over the school year and the recommended order for teaching the activity groups. (Statistics work has been included within the Geometry and Measurement activity groups through appropriate contexts.)

See the long- and medium-term planning documents for Number, Pattern and Calculating 5 and Geometry, Measurement and Statistics 5 for references to assessment milestone statements; a fantastic tool for measuring children's progress.

Strand and Activity Group Number	Activity Group Title
Getting Started	Getting started with apparatus and imagery
Numbers and the Number System 1	Working with numbers up to a million
Numbers and the Number System 2	Exploring equivalence with fractions
Numbers and the Number System 3	Understanding decimals
Geometry 1	Measuring angles
Calculating 1	Developing fluency with adding and subtracting calculations and understanding inverse relationships
Calculating 2	Strategies for bridging when adding and subtracting mentally
Numbers and the Number System 4	Estimating and rounding
Calculating 3	Further strategies for adding and subtracting
Pattern and Algebra 1	Exploring sequences and number patterns
Geometry 2	Transformations
Numbers and the Number System 5	Working with negative numbers
Calculating 4	Developing fluency with multiplying and dividing
Numbers and the Number System 6	Comparing and ordering fractions
Pattern and Algebra 2	Using inverse relationships to solve problems
Calculating 5	Written methods of adding
Calculating 6	Written methods of subtracting
Calculating 7	Multiplying and dividing by 10, 100 and 1000
Measurement 1	Metric and imperial units
Pattern and Algebra 3	Properties of number
Calculating 8	Using mental methods for multiplying and dividing
Calculating 9	Division with remainders
Geometry 3	Exploring angles

Strand and Activity Group Number		Activity Group Title
Calculating	10	Proportion and ratio
Calculating	11	Percentages
Measurement	2	Interpreting charts and graphs
Numbers and the Number System	7	Solving problems with fractions, decimals and percentages
Pattern and Algebra	4	Looking for patterns and generalizing
Measurement	3	Calculating area and perimeter
Calculating	12	Written methods of multiplying
Measurement	4	Estimating volume and capacity
Calculating	13	Written methods of dividing
Calculating	14	Calculating fractions of amounts
Measurement	5	Working with area and perimeter
Measurement	6	Scale drawing
Calculating	15	Calculating with fractions
Calculating	16	Solving problems involving several steps
Measurement	7	Solving problems involving time, money and measures
Pattern and Algebra	5	Using equivalence to solve problems
Pattern and Algebra	6	Logic and reasoning