Breaking Barriers Sequence of Activities

Introductory activities to work in parallel

Pattern and algebra	Counting	Numbers and the Number system
1 Simple repeating patterns	Activities from 0 – 10, 11 – 21, 22 - 30	1 Exploring Numicon shapes and the Baseboard
2 Pattern, direction and orientation		2 Matching Numicon shapes
3 More complex repeating patterns		3 Making comparisons to understand 'bigger'
		4 Making comparisons to understand 'smaller'
		5 Matching Numicon shapes and Patterns
		Making comparisons using the language of comparison

Strand and Activity Group Number	Activity Group Title
Pattern and Algebra 4	*Similarities and differences, sorting*
Numbers and the number system 7	*Learning to order the Numicon shapes*
Numbers and the number system 8	*Securing ordering the Numicon shapes*
Numbers and the number system 9	*Beginning to learn Numicon shape patterns*
Numbers and the number system 10	*Giving the Numicon shapes their number names*
Numbers and the number system 11	*Labelling the shapes with numerals*
Pattern and Algebra 5	*Connecting repeating patterns with numbers*
Numbers and the number system 12	*How many from Numicon shape patterns*
Pattern and Algebra 6	*Equivalence – amounts and measures*
Pattern and Algebra 7	*Odd and even*
Pattern and Algebra 8	*Reasoning about numbers*
Calculating 1	*Practical adding- starting with the total*
Calculating 2	*Practical adding- combining to find how many altogether*
Calculating 3	*Practical adding- adding more*
Calculating 4	*Practical subtracting-take away*
Calculating 5	*Practical subtracting- decrease*
Calculating 6	*Practical subtracting- comparing and difference*
Calculating 7	*Practical subtracting- comparing and how many more to make equal*
Numbers and the number system 13	*Building and naming teen numbers*
Numbers and the number system 14	*Teen numbers - notation*
Calculating 8	*Introducing the + symbol*
Pattern and Algebra 9	*Introducing the < and > symbols – comparing amounts and measures*
Pattern and Algebra 10	*Introducing the = symbol*
Numbers and the number system 15	*Comparing and ordering to 20*
Calculating 9	*Introducing the - symbol*
Calculating 10	*Adding and subtracting 1*
Calculating 11	*Money- coin equivalence*
Calculating 12	*Further ideas for developing fluency*

Numbers and the number system 16	*Finding how many by grouping in tens*
Numbers and the number system 17	*Exploring number lines, counting in tens*
Numbers and the number system 18	*Structure of 2-digit numbers*
Numbers and the number system 19	*Structure of 2-digit numbers- notation*
Numbers and the number system 20	*Comparing and ordering 2-digit numbers*
Numbers and the number system 21	*Counting in steps of 2 and 5*
Calculating 13	*Fractions- parts and wholes*
Calculating 14	*Practical multiplying*
Calculating 15	*Introducing the x symbol*
Calculating 16	*Practical ÷*
Calculating 17	*Introducing the ÷ symbol*
Calculating 18	*Halves and quarters of wholes*