

# Numicon

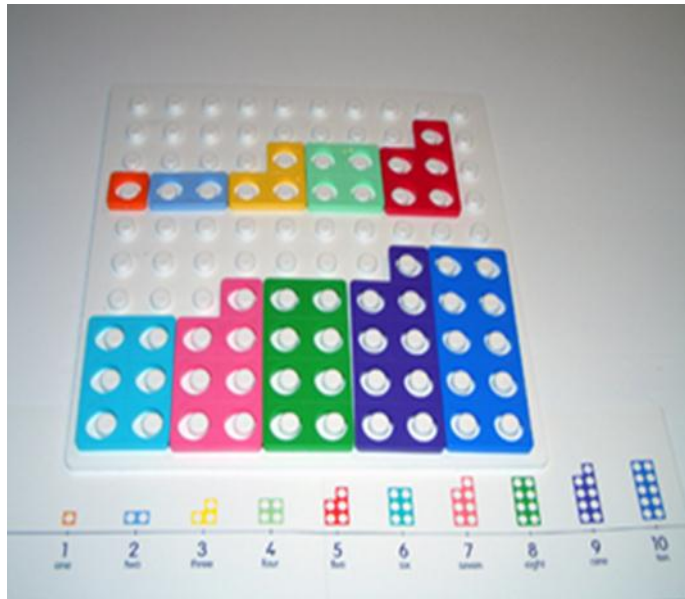
## TA training 2013



# Numicon

- [Making numbers real](#)
- <http://youtu.be/yYgwM5Z1tMo>
- Tyler
- <http://youtu.be/8Jx50dly0uo>

# Ideas



Menu Objects Number lines Words & symbols Layouts Help numicon

signs

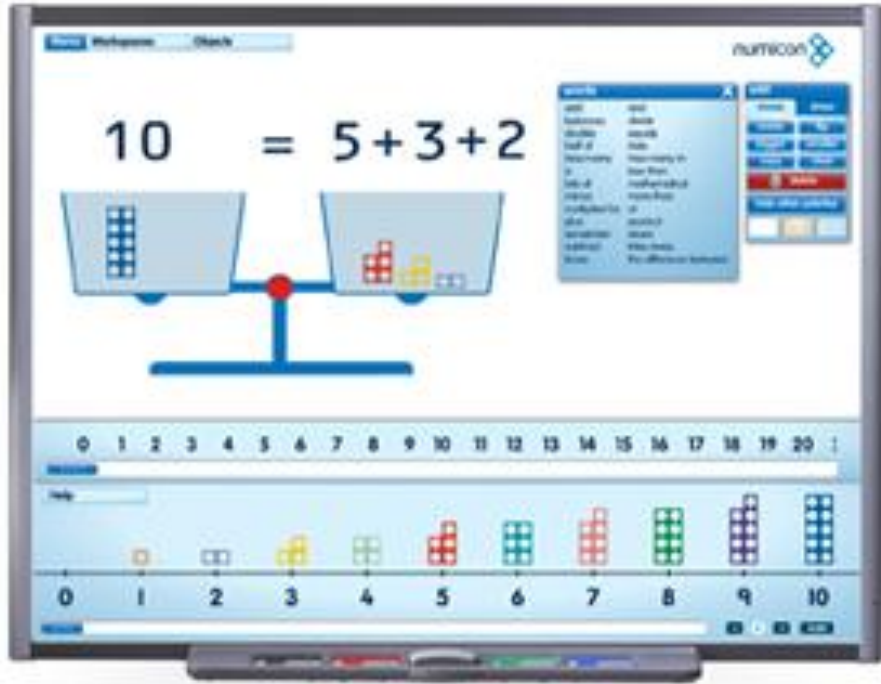
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pictures


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numicon

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numicon free resources  
Ideas for Autumn 2012

numicon

## Maths Outdoors 2 A Symmetry Activity

### What you will need

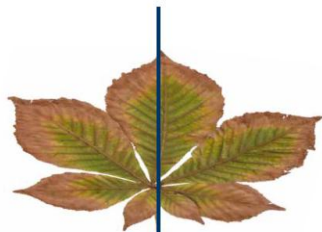
- A container to carry outdoors
- Number rods for when you are back inside

### What to do

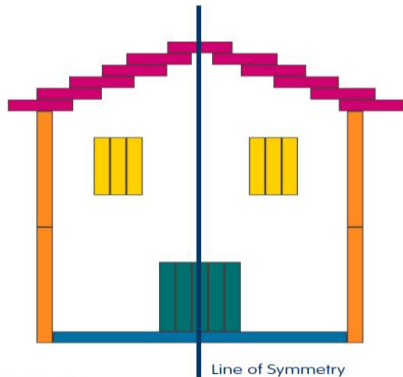
- Take your container and gather collections of leaves
- When you get back inside, sort out your leaves into sets. How many ways can you sort them? For example, by colour, size, shape...
- Take a rubbing of a leaf. Can you add a line of symmetry to the leaf rubbing? Can you find a line of symmetry on every leaf?
- Can you make a symmetrical pattern using the number rods?

### Extensions and questions

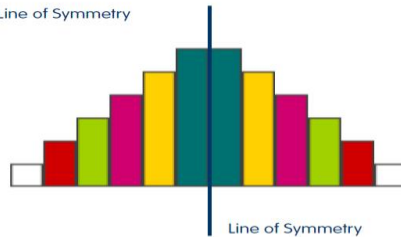
- Can you make a pattern that has two lines of symmetry?
- What about a pattern with more lines of symmetry?
- How many rods did you use? Is there a link between the number of lines of symmetry and the number of rods?



Line of Symmetry



Line of Symmetry



Line of Symmetry

# What do you need to know?

- ❖ Diagnostic assessment (takes quite a while to complete but gives a comprehensive overview of needs and direction within the intervention)
- ❖ Closing the Gap (A book designed to give an overview of needs, lesson ideas, advice and approaches)
- ❖ Kit 1 (lesson plans)
- ❖ Kit 2 (lesson plans)

# Organisation

- The Numicon programme is generally led by the TA.
- As always depending on the needs of the pupils in your class you may feel it would work well for a small group an individual or the whole class.
- Depending on your professional judgement elements may be excluded or included into your current teaching plans.
- Numicon can be used by low or the more able learner.
- If Numicon is available to all abilities in lessons it reduces the feeling of low self esteem to underachievers.

# Layout of the intervention

The intervention lasts for 25 mins and they all follow a similar format.

The introductory part of the lesson has two parts.

- Numicon Starter
- Counting and knowledge of the Number starter

The main part of the lesson will usually comprise of one activity taken from the Numicon Teaching programme, following from the assessment signposts and a using and applying task.

In the concluding part of the lesson children are encouraged to reflect on the lesson and what they have learnt.



## What and how?

- The class teacher may ask you to work with a pupil to improve or develop their understanding of bonds, place value, addition, subtraction etc.
- Two approaches:
  1. Carry out the diagnostic test. This will give a clear view of the child and indicate sections of the programme to follow.
  2. Simply choose a relevant progressive activity to meet the needs of the pupil and follow the planning given in the book.
- ❖ Activities and plans show clearly which apparatus to prepare and give clear step by step directions.