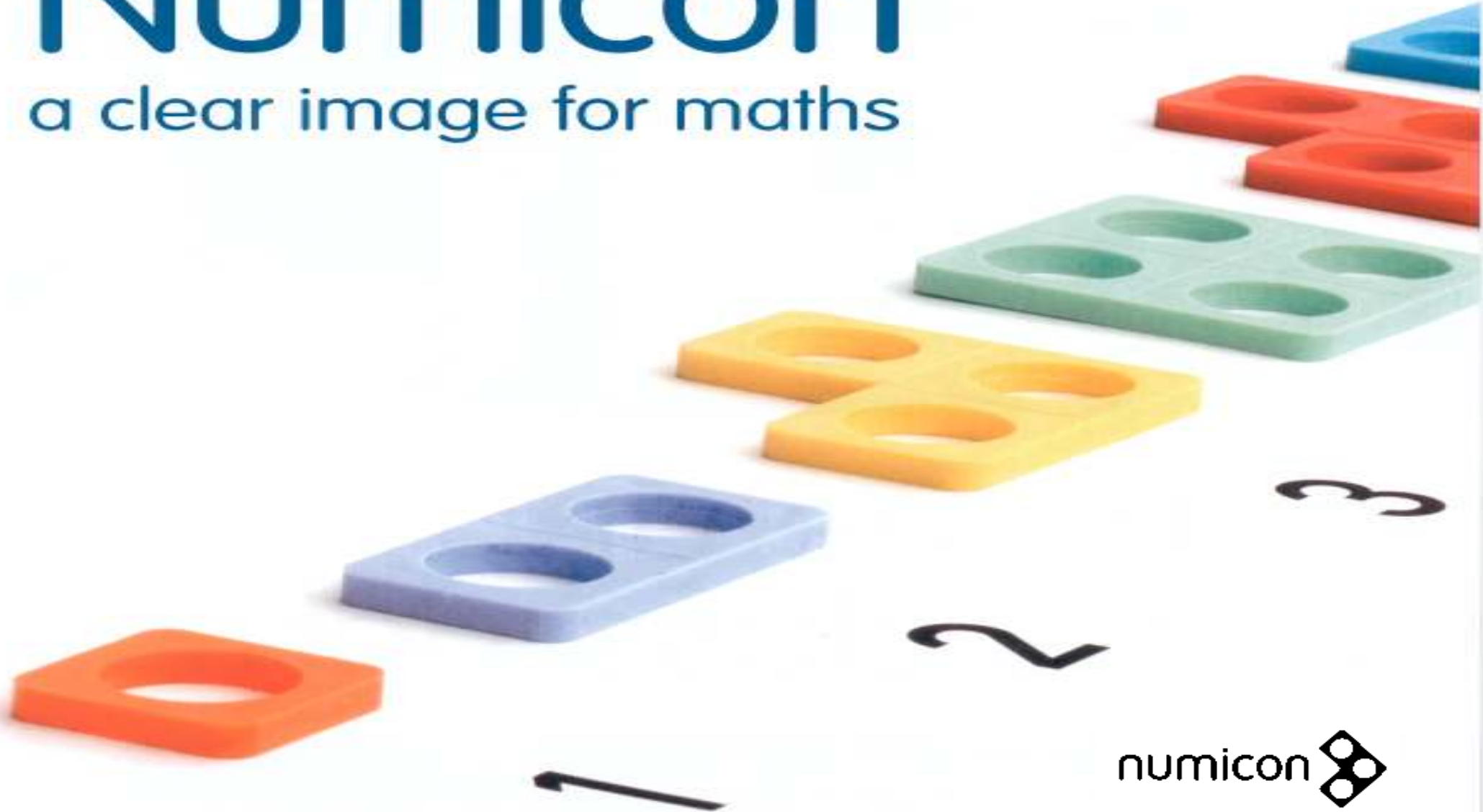


# Numicon

a clear image for maths



numicon 

The Numicon maths system is a multi-sensory approach to numeracy teaching for all learners.

It has found to be particularly helpful for children with learning difficulties-

- Down syndrome
- Autism, including Asperger's
- Dyslexia
- Vision impaired, blind
- Dyscalculia
- Gifted children with learning issues



'Young children are busy collecting

- impressions,
- ideas,
- techniques,
- skills,
- associations
- experiences

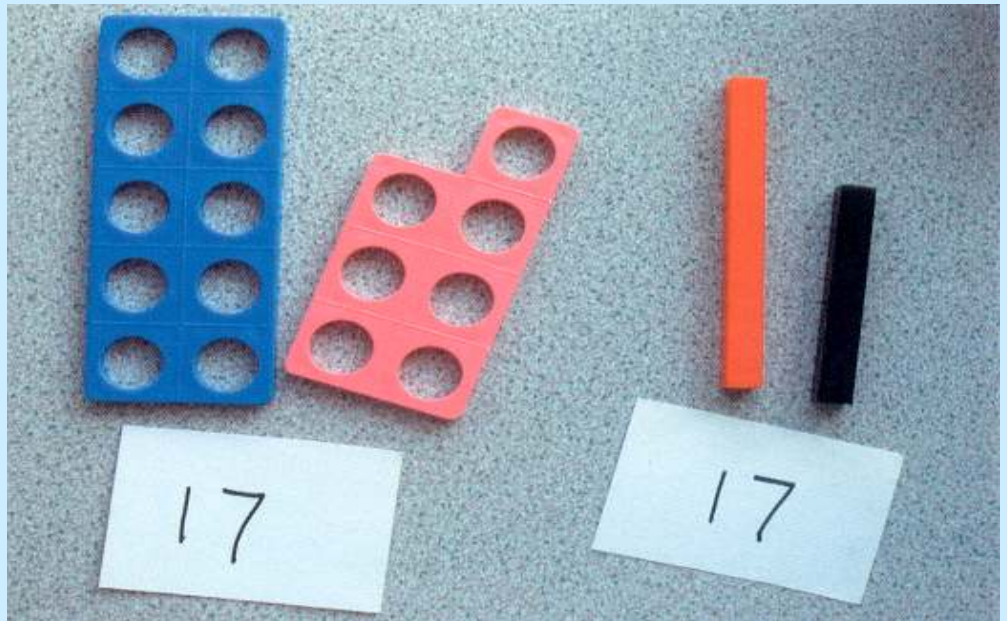
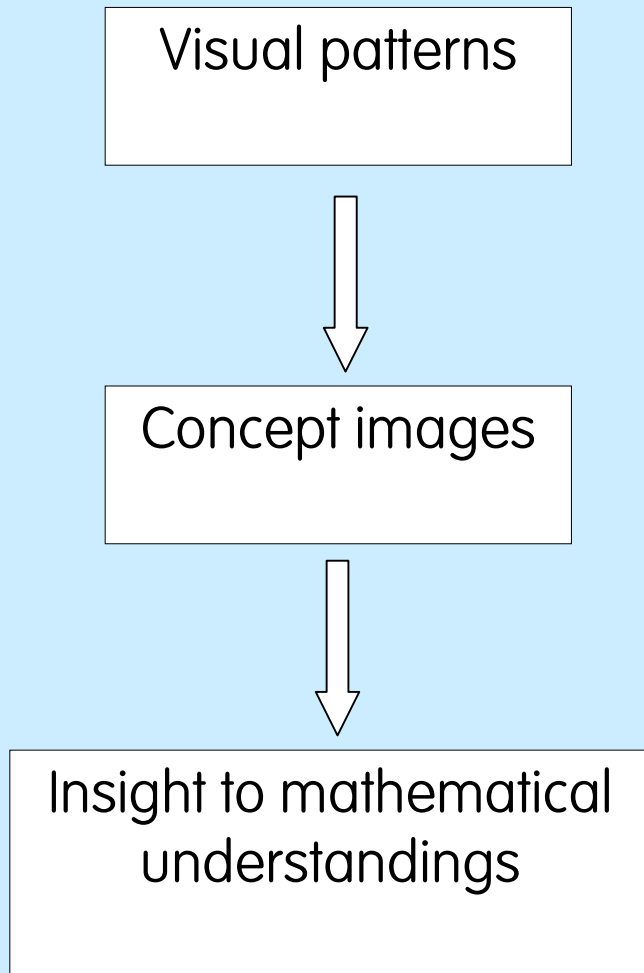
which all add up to their mathematical ideas.

These, in turn structure their thinking.

It is these mental collages which have begun to be called,

'concept images.'

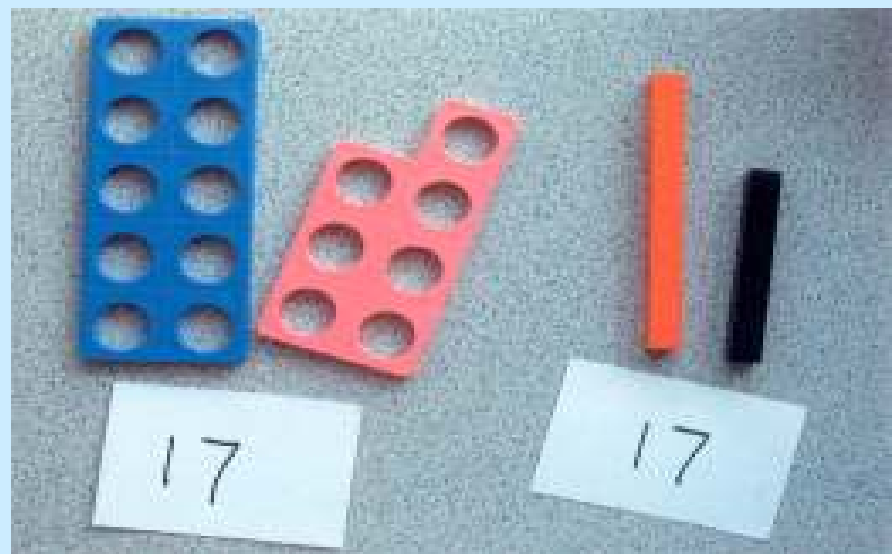
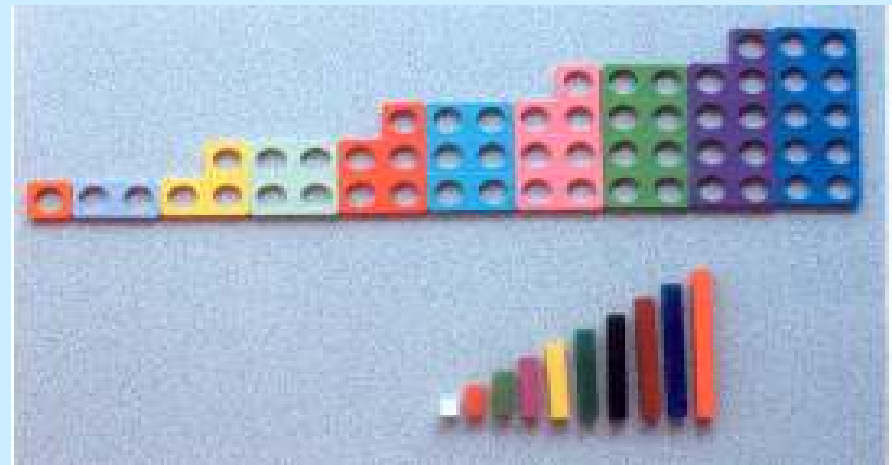
# Concept image



## Concept image- making connections and having a visual memory of a number

Concept image is richly developed to assist children in making their own, unique concepts.

The visual patterns help children connect their concept images, to have insights into mathematical understandings.



## What makes Numicon different from all other programmes?

- Patterns represent each numeral
- Can 'see' relationships of number
- Multi-sensory - reaching a wide range of children
- Maths without counting
- Sequential, small steps, supportive with photographs

## Numicon ...

Children enjoy problem solving and mental arithmetic

Children are motivated by the imagery

Children develop positive attitudes to maths

It is rewarding and effective.

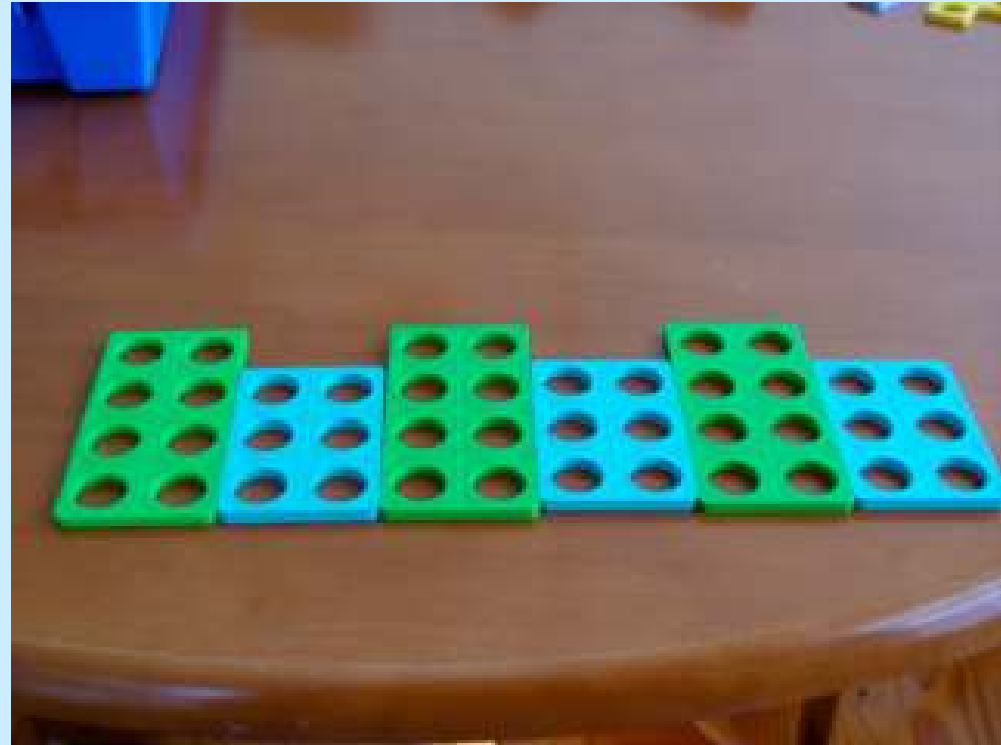
## The characteristics of the teaching activities

- Meaningful contexts.
- Playful with a level of challenge as well.
- Appealing to different learning styles

- Obvious in their correctness and compels to self correction
- Interaction with others which help children to relate their experiences to others and reinforce what is being learned.

# Numicon helps with

- Patterning
- Visualisation
- Language
- Exploration
- Socialisation





## Why is it important to be numerate?

- Managing daily life
- Time
- Money
- Weights and measures
- Avoiding exploitation



## Typical profile of children with learning difficulties-1

- Weaknesses
- Hearing and vision
- Number
- Speech and language
- Verbal short term memory
- Learning from listening difficult
- Attending and focussing

## Numicon strengths

- Concrete & multi-sensory
- Visual memory
- Number and word cards
- Concept image reliance, repetition and small sequence
- Can 'see' and 'feel' the concept
- Materials are colourful and fun

## Typical profile of children with learning difficulties-2

- Strengths
- Social understanding, empathy and social skills
- Self help and daily living skills
- Visual short term memory
- Visual learning a strength

## Numicon support

- Game oriented activities with others
- Making connections relate to everyday life
- Concrete materials to work with
- Importance of pattern

## Romey Tacon and Tony Wing- the writers and designers of Numicon





Effective progress



Beaming with success



Wonderful satisfaction

# Numicon resources

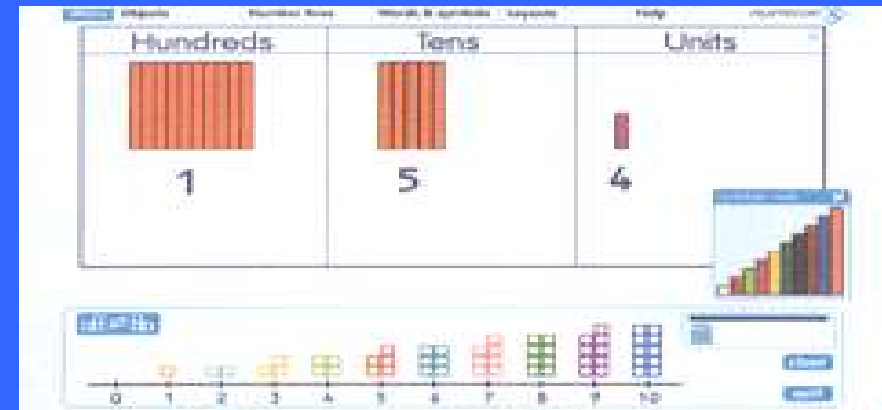
At Home kit -  
to support learning at school.



## Numicon At Home Kit Contents

Numicon Shapes	32
Pegs	50
Base Boards	1
Feely Bag	1
Activity Cards	6
Numeral Sheet	1
Zig Zag Number Line	1
Threading Lace	1

# Numicon software for interactive whiteboards



# Numicon Foundation Kits- group and single user. This level is the starting place.



# Numicon Kit One- Group and Single User



# Numicon Kit Two - Group and Single User



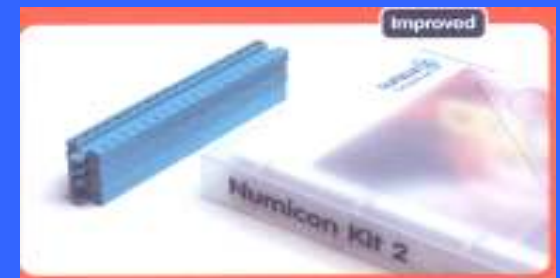
# Plus Packs



Foundation to supplement Kit One. This is the starting level.



Kit One to upgrade a Foundation Kit



Kit Two to upgrade a Kit One

# Purchasing options for schools

A

Foundation kit  
Kit One Plus Pack  
Kit Two Plus Pack

or B

Numicon Kit One and  
Foundation Plus Pack  
Kit Two Plus Pack

Parent purchases the  
At Home Kit

# Purchasing options for families

A Foundation kit -  
Single User, then  
Kit One Plus Pack,  
Kit Two Plus Pack

or B

Numicon Kit One -  
single user and  
Foundation Plus Pack  
Kit Two Plus Pack

At Home kit- and then purchase the accessories as required. This works out to be more expensive overall. It is not a teaching programme.

This programme is not a magic carpet for children with special needs, but it does give them improved understanding and success!



*Our children have a place in the  
community...*

NUMICON gives them a tool to  
broaden their options and  
explore new possibilities.

For further information...

[www.numicon.co.nz](http://www.numicon.co.nz)

search Google under 'Numicon'

## Purchasing options

- From the Numicon website: [www.numicon.co.nz](http://www.numicon.co.nz)
- Margi Leech (64) 09 520 4022, or
- [Margi@numicon.co.nz](mailto:Margi@numicon.co.nz)

Margi Leech

09 520 4022

[margi@numicon.co.nz](mailto:margi@numicon.co.nz)

[www.numicon.co.nz](http://www.numicon.co.nz)

