

Numicon 1 Securing Foundations 1: Learning About Numicon shapes, Cuisenaire rods, Pattern and Counting

*Most of the preparation in this first week will have application throughout the year and immediately into this week and the next 12 weeks. If you have parent helpers and a Teacher Aide, make the most of their assistance in your preparations. Enjoy the week. Extend it into two weeks if necessary.*

## **Setting up Preparations for Focus groups:**

### **Getting Started:**

1. Activity 1 Step 1 Maths shapes –HUNT in birdseed bin. Buy birdseed/rice/other. Make instruction sign
2. Activity 1 Step 1 Maths shapes –Press shapes into play dough and put buttons on bumps. Make playdough, collect buttons, make sign sign
3. Activity 1 Step 1 Maths Shapes – Print off spinner overlays and colour in for children to play matching games
4. Activity 3 Exploring Cuisenaire rods – iPad for photos, Pictures for instructions

### **Pattern and Algebra:**

1. Make visual timetable
2. Make Present and Absent sheets from photocopy master 28 a and b, or download from website (FREE page)
3. Print off Numicon shapes several copies from Numicon website and laminate
4. Make visual books for getting ready for PE, swimming, lunch time, packing up at the end of the day
5. Make visual prompts for PE circuit activity. 3 activities for outside. See PE planning
6. Print off Days of the week chart or use own already made. Photocopy 9

### **Numbers and the number system:**

1. Make a wall display of houses and download various pictures of letterboxes with numbers displayed 0 -30
2. Display a clock in the room
3. Display a monthly calendar
4. Set out the Numicon and other maths equipment in trays or containers for children's easy access
5. Set out counting of various objects on Maths Table. Small collections in cups, Numicon number line 0 – 10, Numicon number line 0 - 30

## **Independent activities:**

1. Instruction cards with photos to make pictures with Cuisenaire rods. Download from website. Sharing Page and other websites
2. Instruction cards with photos to make pictures with Numicon shapes. Download from website. Sharing Page and other websites. Purchase Picture and Number overlays
3. Instruction cards with photos to play the SWAP game and HUNT the shape game.
4. Instructions for Days of the week matching activity Photocopy 9
5. Instructions to counting activities

## **Whole class activities:**

1. Counting – have shapes ready. Can use the plastic shapes or the large ones downloaded from website, laminated.
2. Print off **large** numeral cards 0 – 10 from photocopy masters 24 a and b and laminate

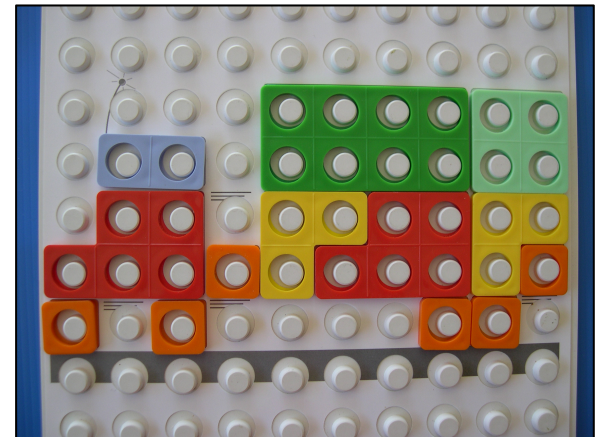
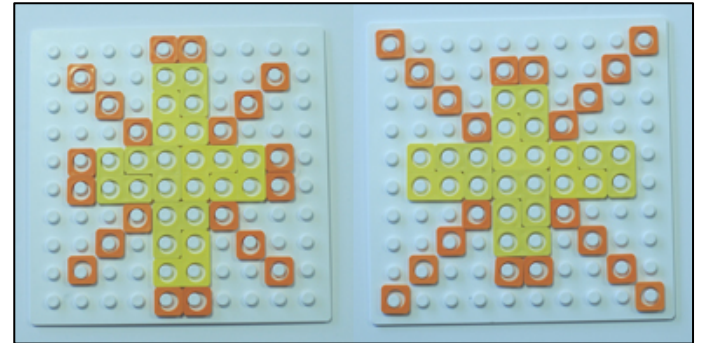
Group Organisation: Four groups with an **hour** each day for maths. **T** = focus teaching with this group  
Intro 10 minutes, Activities 15 minutes each, Change time 5 minutes, Tidy up 10 minutes, Plenary 10 minutes  
Take two weeks if necessary with these activities SEE activity cards to follow.

	Group 1	Group 2	Group 3	Group 4	Whole class
Day 1	<b>T</b> Teaching Focus <b>GS</b> Activity 1 and 2 -Teacher to group children and work with individuals as best fits in your setting. Directed play with shapes in pairs: <ul style="list-style-type: none"> <li>Hunt in the birdseed</li> <li>Find in the Feely Bag</li> <li>Free play with Numicon shapes</li> </ul>				Present and Absent cards Visual timetable Show Numicon shapes and Show pictures and activity cards. Pattern & Algebra -all week
Day 2	<b>T</b> Teaching focus: <b>GS</b> Activity 1 and 2 <ul style="list-style-type: none"> <li>Cover the baseboard</li> <li>Matching with spinner</li> <li>Play dough pressing</li> <li>Previous activities</li> </ul>				Visual Books throughout the day and weeks Show pictures and activity cards Cover the baseboard together
Day 3	<b>T</b> Teaching focus: <b>GS</b> Activity 3, 4 and maybe 5 <ul style="list-style-type: none"> <li>Cuisenaire play and exploration</li> <li>Ordering shapes</li> <li>Exploring ordering</li> <li>Previous activities</li> </ul>				Ordering Numicon shapes Cuisenaire rods -talk about the colours and sizes. Sharing experiences of the activities
Day 4	<b>T</b> Teaching focus: <b>NNS</b> Activities 1, 2, 3 <ul style="list-style-type: none"> <li>Counting objects game</li> <li>Previous activities</li> <li>Homework activity from Explore More</li> </ul>				Numbers of significance Counting with shapes-see book Reciting counting names Counting objects game Numerals and words
Day 5	<b>T</b> Teaching focus: <b>GS</b> Activity 1-5 with children who need more support Previous activities As you see children build their confidence, provide the Assessment pages 2 and 3.				Ordering Numicon shapes Counting objects game Numerals and words

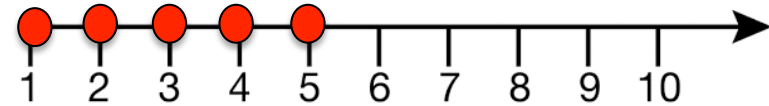
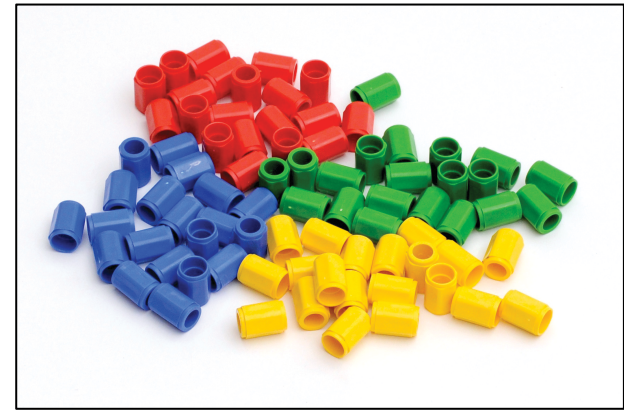
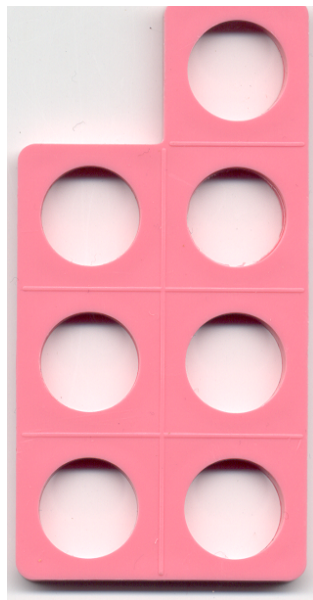
Notes:



Cover the  
baseboard



Make your own  
pictures



1. Spin
2. Match the colour to the shape

1. Put the pegs on each number on the number line
2. What number did you stop at?



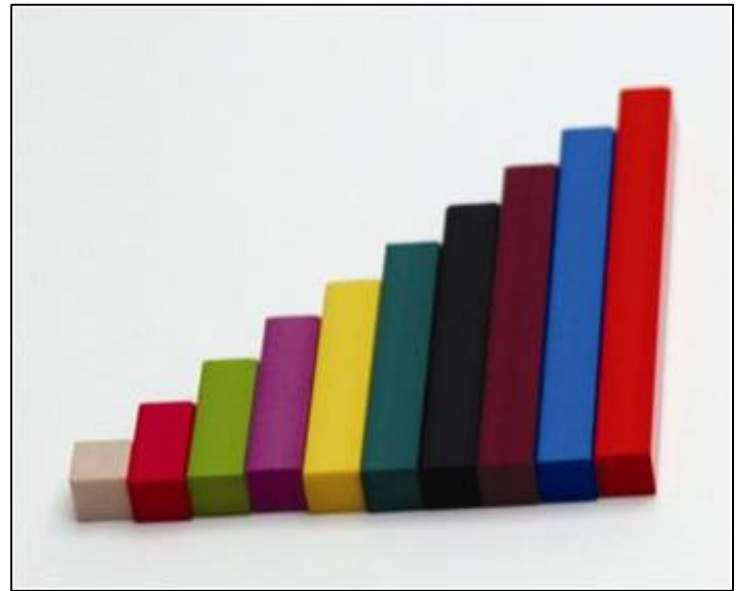
1. Roll out play dough
2. Press in shapes
3. Top with buttons



Put the shapes in order like this



Make some  
pictures like these



Put the rods in  
order,  
like this



Who is in your group today?



Put numbers with the shapes, like this