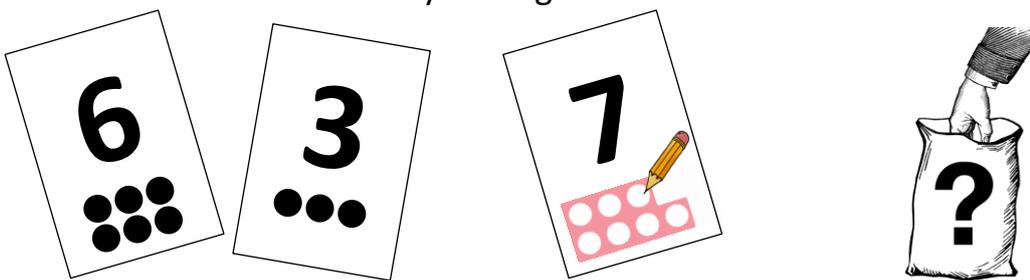


Number Recognition

The key to good mathematics, and one of the core principals behind Numicon, is Number Recognition. If the children have a really good understanding of what each number is, what it represents, its **value**, they will have a better chance of succeeding in all other areas of maths.

<p>1</p>	<p>Lay Numicon tiles from 1 to 10 out, but not in any order. Talk about what you can see! Think about colour, shape, relative size... maybe your child would like to count how many holes there are in each one. Think about putting the tiles into order from smallest to largest, and talk about the holes – which has the most holes in it, which has the least?</p>  <p>Use the tiles to make a picture, encouraging your child to talk about them as they do.</p>
<p>2</p>	<p>Put a pot containing 5 small objects (beads, dried beans, sweets) on the table, surrounded by Numicon tiles. Challenge your child to find the tile that the objects fit into exactly (one object to each hole). Encourage this to be done through trial and error, helping your child to think logically as they work – <i>they don't all fit, so will we need a larger tile (with more holes) or a smaller tile (with less holes)?</i> Repeat with different numbers of objects.</p> <p>Tasty Tip: Maltesers are a perfect fit for the holes in Numicon tiles!</p>
<p>3</p>	<p>Provide slips of paper, each with a number from 1 to 10 on them. Work with your child to match the numerals to the Numicon tiles. If they find it tricky to recognise the numbers, put the correct number of dots next to the numeral – your child can count the dots and match it to a tile by finding the one with the same number of holes.</p>  <p>Other suggestions for matching the numerals to the tiles could include: putting paint on the tiles and printing them next to the numeral; using crayons or pens to draw around the tile; hide the Numicon tiles around the room and then search for the right one to match the given number; put the tiles into a bag and ask your child to find the matching Numicon tile by touch alone (this is very tricky!)</p>
<p>4</p>	<p>Incorporate Numicon into your daily life:</p> <ul style="list-style-type: none"> If your child has a favourite game to play, perhaps snakes and ladders, change the die so that it has Numicon tiles on each of the faces instead of numbers (you could even use higher numbers than standard 1 – 6).

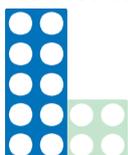
- Put Numicon tiles around their clock, matching the numbers – if they need to go to bed at 7 o'clock, which tile is that?



- After dinner you can have *this many* sweets (show the Numicon tile), we will be going out in *this many* minutes, can you show me how many fish fingers you want for dinner using the Numicon?
- Match their pocket money to Numicon tiles:



- 5 When they are confident with identifying the Numicon tiles, start to investigate higher numbers. Write a number 14 on a piece of paper, and count out small objects to match. Challenge your child to find a 4 tile, and fill it with objects. Now, find a tile to match the leftovers – it should be a 10! Arrange with the 10 first, then 4 – so, a 14 is a 10 and 4! Repeat with other teen numbers, looking for the pattern - each has a 10.



Talk about the teen numbers – is it really a 1? Show a 1 and a 4 Numicon tile – is this 14?

- 6 For even higher numbers, challenge your child to make them using Numicon tiles (if you have a large set), or draw around the tiles to record. Talk about **tens** and **units** – *there is 1 ten tile in 14, how many ten tiles are there in 24? 34?*

