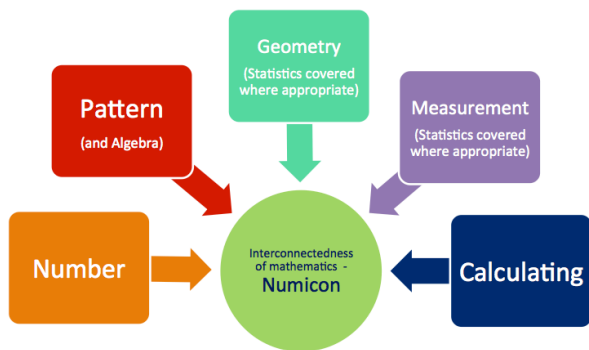


# Why and what? Geometry Measurement and Statistics from Year 1



**Geometry** teaches us about *relationships* of everything around us in our world  
**Measurement** helps us explore those *relationships* to use in our lives  
**Statistics** illustrates the *relationships* for us

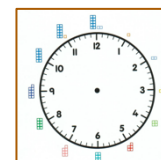
The New Zealand Curriculum requires NPC and GMS together from Year 1



GMS -generalizing opportunities of the concepts explored in NPC

GMS provides another real life context to explore and see the place of Maths in our lives

GMS utilizes the apparatus from the NPC activities as well as equipment found generally in a classroom.



Numicon links NPC with GMS **throughout** the school year, rather than in isolated activities tagged on to the end of a term

	Number, Pattern and Calculating	Geometry, Measure and Statistics
Year 1	<ul style="list-style-type: none"> <li>Counting objects to at least 30</li> <li>Ordering numbers to 20</li> <li>Counting in two's, five's, and ten's</li> <li>Understanding place value of 2-digit numbers</li> <li>Reading, writing and understanding arithmetic notation. E.g. +, -, &lt;, &gt;</li> <li>Adding and subtracting facts to 10</li> <li>Recognising halves and quarters of wholes</li> </ul>	<ul style="list-style-type: none"> <li>Making tiling, repeating and growing patterns</li> <li>Making, naming and sorting common 2D and 3D shapes</li> <li>Exploring properties of 2D and 3D shapes</li> <li>Giving directions and describing and making turns and rotations</li> <li>Comparing and ordering mass, capacity and length</li> <li>Understanding time duration</li> <li>Telling the time to the hour and half hour</li> <li>Understanding money</li> </ul>