



**Mathematics** involves providing children with opportunities to develop and improve their skills in counting, understanding and using numbers, calculating simple addition and subtraction problems; and to describe shapes, space and measure (**Regulatory requirements 2017 Section 1 - The learning and development requirements: 1.5**)

### Aspects of Mathematics

- **Numbers – ELG11** Children count reliably with numbers from 1-20, place them in order and say which number is one more or one less than a given number. Using quantities and objects, they add and subtract two single-digit numbers and count on or back to find the answer. They solve problems, including doubling, halving and sharing.
- **Shape, space and measure – ELG12** Children use everyday language to talk about size, weight, capacity, position, distance, time, and money to compare quantities and objects and to solve problems. They recognise, create and describe patterns. They explore characteristics of everyday objects and shapes and use mathematical language to describe them.

We do this in various ways including:

- giving children a variety of experiences to count, sort, match and order real objects
- developing mathematical understanding through practical activities and first hand experiences
- providing a meaningful context for maths e.g. stories, role play, real problems such as planning a party, cooking, shopping
- making regular use of number rhymes and songs
- developing children's use and understanding of mathematical language
- providing opportunities to explore volume and capacity, for example, in sand and water play
- providing opportunities to investigate shape and size, for example, in building and construction
- looking for numbers, patterns, shapes in the environment
- using and experimenting with numbers up to 20
- talking about numbers, and using open ended questions to encourage children's, mathematical thinking
- developing a sense of time through daily routines
- developing positional language through small world play, e.g. positioning furniture in the dolls house or animals on the farm
- Numicon resources
- Number blocks (BBC)