

**If your child has mastered the initial skills then they can be extended with the following skills:**

- \* Know how to count correctly from 11-20
- \* Recognise and write the words of numbers from 1-10
- \* Start to sequence objects at a higher level i.e. 1-6 objects in patterns, following a story, putting in order etc.
- \* Learn deeper understanding of the concept of time
- \* Learn more about months of the year and the relevance to them ie: birthdays, holidays etc.
- \* Understand what is a calculator and it's purpose
- \* Developing their knowledge of the purpose of scales and how they are used
- \* Introduce the concepts of maps, directions and distance
- \* Develop practical understanding of addition and subtraction
- \* Learn how to make comparisons, recall information and anticipate situations/answers
- \* Understand how to shift the focus away from the here and now and look at what could be instead
- \* Develop their skills in using two/three dimensional materials to create constructions with blocks/Lego etc.

# How parents can support and promote children's mathematical skills at home

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UXBRIDGE EARLY LEARNING CENTRE

***Remember a golden rule of mathematics: Children need to have hands on experiences in learning new ideas and concepts***

**Basic mathematical skills for children to learn and develop.**

**How to:**

- \* Classify and group/sort objects
- \* Put objects in sequence order
- \* Recognise same/difference
- \* Count in the correct order 1-10
- \* Count objects correctly while pointing
- \* Understand high/low, fast/slow, big/small etc
- \* Give the correct name for basic shapes and recognise them in different mediums
- \* Recognise the colour names
- \* Build with different block/construction materials
- \* Know how to hold a ruler/pencil and use it correctly
- \* Problem solve independently and process the necessary steps/ action
- \* Learn to discuss their thoughts/answers logically
- \* Devise problems of their own and be satisfied with their answers
- \* Take risks and understand they can not always be correct
- \* Learn how to predict/estimate the answer or solution
- \* Understand how things/objects work in the world around them

**Parents, You can encourage children to develop their mathematical skills by:**

- \* Developing their memory and language skills
- \* Talking about numbers/basic shapes at home
- \* Engaging children with a variety of measurement concepts such as with baking, cleaning, building etc.
- \* Playing games where they can practice grouping, sorting, counting, matching i.e. with groceries, toys, food etc.
- \* Ensuring that you have resources/toys to support these beginning maths skills such as—blocks, puzzles, Duplo, board games etc.
- \* Encouraging your child to play with small toys that promote their use and strength of their fingers and thumbs such as marbles, threading etc.
- \* Talking to your child about the different shapes of the objects in your house or what you see when in the car or walking such as traffic signs etc.
- \* Learn to write the number 1-10 and the words 1-5
- \* Promoting the use of mathematical words such as higher, bigger, taller, wider, more, less etc. in day to day conversations
- \* Supporting them to learn the differences between big/small, high/low etc.
- \* Developing an understanding of what is a pattern say with blocks, toys, materials, furniture, pictures etc.
- \* Create and match different patterns
- \* Talk to your child about time and the meaning of the number i.e. How long will it be until you will be picking them up
- \* Use examples of grocery or power bills, coupons etc. to show your child the relevance of maths in the home/world.
- \* Developing their skills in thinking about problems, asking questions, trying a solution—know how to source materials to support this process
- \* Provide opportunities that involve risk to develop persistence and confidence in themselves in taking risks to discover and learn
- \* Do maths together and make it fun