

Mathematics



Top 5 Suggestions for Parents:

1. **Make it fun:** Be positive even if you don't feel confident in your Math abilities.
2. **Keep it real:** Show where math is in the real world. Talk about numbers throughout your day.
ex. share your thinking at the grocery store
3. Use **Math vocabulary** when you talk with your kids.
4. **Encourage exploration:** Let your kids play with numbers and investigate their own questions.
5. Ask your kids to **explain their thinking and listen**. Ask them to explain "why" and "how".

We all had different experiences in our own Math learning.

As kids start school, many parents notice the shifts about how Math Instruction has changed.

Math Used to be About...	Now Math is About...
Just knowing Math facts Only pencil and paper practice Getting the right answer Solving problems one way	<input type="checkbox"/> Understanding Key concepts <input type="checkbox"/> Thinking flexibly and efficiently <input type="checkbox"/> The process of solving a problem <input type="checkbox"/> All students learning to think Mathematically

Key Math Learning for Preschool Aged Children:

- Learning the number sequence (1,2,3,4,... to 10 or higher)
- Noticing numbers in the world, in books, etc.
- Counting real, objects, fingers, saying 1 number per object
- Using numbers to describe groups of objects
- Matching objects that have something in common
- Looking for patterns
- Hearing and using Math vocabulary



New Math Learning During Kindergarten (they don't need to know this yet)

Number	Patterns	3-D Objects
Count objects up to ten Describe, make and compare groups of up to ten objects Visually count groups of up to 5 objects Count forwards and backwards starting at any number between 0-10. Identify when groups are equal or not.	Use manipulatives, sounds, and actions to: <ul style="list-style-type: none"> ● Identify Patterns (vs. not patterns) ● Reproduce Patterns ● Extend Patterns ● Create Patterns Predict the likelihood of common events.	Describe the properties of various objects. Sort items into groups based on a common feature. Compare the size, mass and volume of two objects.