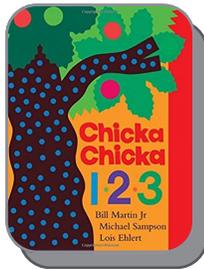


Like early literacy, **early numeracy skills**, are an important element of school readiness. What families do naturally every day, such as sorting laundry, counting fingers and establishing predictable daily routines for bed, bath, meal and play times are preparing your preschooler for future math success.

Play, read, sing and talk to help your preschooler develop early numeracy skills!

PLAY

- Fill and dump containers with sand, water and rocks
- Create patterns using toys or natural materials
- Match and sort objects by shape, size or color
- Build obstacle course



READ

- Chicka Chicka 1, 2, 3 By Bill Martin
- The Napping House By Audrey Wood
- Bear Counts By Karma Wilson
- Off to See The World By Eric Carle

TALK

- Count everything
- Ask how many do we have if we add one more?
- Describe amounts with numbers or words like "more" or "a lot."
- Label positions – up, down, over, under, beside, behind, left, right
- Label giant, tiny, full, empty, wide, light, heavy
- Describe shape, size and distance when exploring



SING

- Five Little Monkeys
- 1,2,3,4,5 Once I Caught a Fish Alive
- The Ants Go Marching
- Alice the Camel
- This Old Man

Ages & Stages of Numeracy Development

3—4 years old

- When counting objects, knows that the last number word spoken answers the question “how many are there?”
- By the age of three and a half, reliably gives correct answers to addition and subtraction problems involving small quantities, for example $1 + 2$ and $3 - 2$, by using concrete objects (manipulatives) or by pointing to a picture of the correct answer; for example, when given $\square \square$ joined to \square , can point to $\square \square \square$.
- Knows that a pile of sand should look bigger when more sand has been added to it.
- Recognizes one-digit numbers.
- Can share ten toys equally among five children and knows that each child has an equal share.
- Can learn to count from 1 to 30.
- Measures length by directly comparing two objects, for example, “This book is as long as my arm.”

For playful age specific activities—as well as videos, information, and more go to:

<https://www.zerotothree.org/resources/series/let-s-talk-about-math-early-math-video-series>

Everyday Fun with Addition and Subtraction

Everyday Fun with Counting

Everyday Fun with Spatial Awareness

Have Fun with Math: Playful Parent-Child Shape Activities

Parent-Child Activities That Support Pattern Learning

Everyday Fun with Measurement

1

2

3

4

5

6

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