

Statistics

- Find two similar objects such as a sneaker and a boot. Take turns describing how the two things are the same and how they are different.
- Have your child help sort laundry, items for recycling, groceries, hardware, and spare change.
- If your child collects something, work together to organize or sort the collection in different ways.
- Discuss graphs you find in print. What is it showing a reader?



Algebraic Sense

- Look for and talk about patterns in the environment (e.g., use of color, size, position, or quantity).
- Try physical pattern routines with motions, such as clapping your hands and tapping your knees in a repetitive pattern. Translate these patterns into other representations (e.g., shapes, clap, stomp translates to ABC).
- Make patterns together using household items (e.g., buttons, caps and bottle tops, coins, and keys). You can also take turns adding to another's pattern.
- Encourage your older student to solve for unknowns using addition and subtraction (e.g., $6 + \underline{\quad} = 11$; $11 = \underline{\quad} + 6$).



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Our Mission

To ADVOCATE for all students by PROVIDING a learning environment which EMPOWERS students, staff, and the community to MAXIMIZE their personal, creative, and academic potential in order to BECOME lifelong learners and responsible world citizens.

Helping Your Child Learn Mathematics

K-2



Keeping the love of Math alive!

As a parent, you make a significant difference in your child's learning.

Number Sense and Computation

- Look for things in your everyday life that you can count with your child (e.g., the number of windows in our house).
- Look for chances to compare amounts (e.g., amount of forks and spoons on the table).
- Look for and talk about addition and subtraction situations at home (e.g., add the number of oranges, apples, and bananas in the fruit bowl).
- Encourage your child to use his or her own strategies for addition or subtraction.
- Encourage your student to practice the math facts he/she understands.
- Read math-related literature such as Teri Sloat's, "From One to One Hundred."



Measurement

- Collect a small group of objects and compare weights and lengths. Ask your second grader to explain when a unit is smaller, why it takes more to measure an item than if the unit is larger.
- As you are cooking and baking, ask your child to help with filling, measuring, and leveling off measuring cups and spoons. Talk about and compare ounces and cups.
- Do experiments at home comparing the capacity of different containers (e.g., a glass and a mug). Guess which holds the most before measuring.
- Compare heights of family members. Establish a place where heights can be marked off and compared.
- Mention what time it is at meaningful times of the day (e.g., the time your child wakes up, the beginning of school, a favorite television show, or bedtime).
- Ask your child to determine how much change is in your pocket.
- Ask your child to find things that are similar in size (e.g., find things that are as long as one pencil).

Geometric Sense

- Look for patterns or designs made from different shapes.
- Spend time with your child drawing shapes you see around your home. Encourage your child to use correct vocabulary to describe the shapes.
- Take walks with your child and talk about the different shapes you see. Look for both two-dimensional and three-dimensional shapes. Encourage your child to look closely at and describe each shape and name it (e.g., a stop sign is an octagon).
- Make geometric shapes with clay, building blocks, drinking straws, or yarn (e.g., triangles, squares, and circles).
- Ask your student to describe the location of a number on the number line (e.g., 65 is closer to 50 than 100).

