

## 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).

