

## Statistics

- Work with your child to collect data (e.g., find the most common bike, dog, or car on your street).
- Help your child categorize information (e.g., categorize their toys by color, type, or size).
- Look for items from the newspaper and magazines that show how things change (e.g., weather maps). Look for graphs and charts to interpret with your child.

## Algebraic Sense

- Look for patterns and how your child describes how they repeat (e.g., patterns in a rug).
- Take a walk and collect a variety of leaves. Then have your child look at the pattern and create a way to organize the patterns.
- Give your child a number sequence and have him/her try to find the next number (e.g., 9, 18, 27, ?).
- Talk with your child about different patterns of change (e.g., walking at a constant speed, speeds that increase or decrease).
- Using blocks, build towers with your child. Talk about the relationship between the numbers of faces showing.

## Helping Your Child Learn Mathematics

3-4



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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.



Keeping the love of Math alive!

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

## Number Sense and Computation

- Help your child develop their fluency with addition and subtraction as he/she learns multiplication and division.
- Talk with your child about how “wholes” come apart into fractions and how fractions fit together as wholes (e.g., doubling or cutting recipes).
- Work with your child to estimate amounts using large numbers (e.g., cost of food at the grocery store).
- Help your child learn the basic facts in multiplication and division.



## Measurement

- Encourage your child to estimate and measure distances, temperature liquid, volume, and weight.
- Involve your child in your own measurement activities (e.g., hobbies like sewing or carpentry).
- Work with your child to read and write time from both digital and analog clocks. Also help your child calculate elapsed time.
- Help your child learn different values of coins and paper money.
- Make up riddles about coins such as, “I have three coins in my pockets. They are worth 16 cents. What do I have?”
- Encourage your child to estimate the weight of produce you are purchasing. Weigh the produce to check the estimation.
- Talk about how long it will take to reach a destination when traveling by car. If it is 3:15 now and it will take 45 minutes to get to Aunt May's house, what time will we arrive?
- Invite your child to help prepare concentrated juices, choosing a large enough container and measuring water to add.

## Geometric Sense

- Look for and talk about ideas in geometry that have to do with shapes, lengths, and angles (e.g., what shape is a stop sign or which side of this shape is longer).
- Talk with your child about directions for going places.
- Look for opportunities to talk about area as a measure of flat space (e.g., the number of square tiles covering the bathroom floor).
- Work with your child to visualize how different shapes fit in space (e.g., how the couch fits into a living room or up a stairway).
- Work with your child to find two-dimensional and three-dimensional shapes (e.g., pyramids, cubes, and prisms).
- Encourage your child to work with building toys and materials you have around the house.
- Work with your child to make something from a set of plans. Together talk about and follow the instructions that come with it.

