

Probability and Statistics

- Discuss with your child everyday experiences that relate to the likelihood of certain events (e.g., weather forecasting, the chances of a political candidate winning an election, or the likelihood of winning a cereal or soda contest).
- Look with your child for uses of data in magazines, newspapers, and on TV.
- Look at sports statistics with your child. Ask questions such as, "How can a batting average be used to help predict the likelihood of a player getting a hit their next time at bat? How can free-throw percentage be used to predict a player making a basket the next time they are at the free-throw line?"
- Play games that require predicting the likelihood of an event occurring (e.g., Yahtzee ®).



Algebraic Sense

- Help your child look for things that change in different ways and at different speeds. Can you find some things that change faster and faster? Can you find things that change steadily? Can you find anything that changes by gradually slowing down? Or by shrinking?
- Play games that require strategy and planning (e.g., chess, checkers, and dominoes).
- Share your problem-solving strategies and techniques, mental computation strategies, and estimation strategies. Have your child teach you some. Work on the same problem, then compare strategies as well as answers.



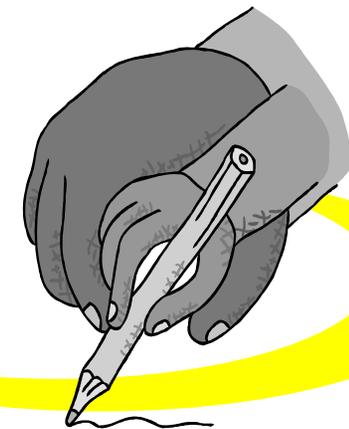
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Our Mission

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

5-6



Keeping the love of Math alive!

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

Number Sense and Computation

- Point out examples of how fractions, decimals, and percents are used in newspapers, magazines, and on TV.
- When eating in a restaurant with your child, ask him or her to estimate the total cost, tax, and what the tip should be.
- Help your children become fluent by reviewing their basic computation skills in addition, subtraction, multiplication, and division of whole numbers.
- Play mental math games that can challenge children to learn their computational skills (e.g., What is $5 \times 5 + 3$? What is half of 40? What number is half of 40 divided by 20?)



Measurement

- Help your child estimate lengths, distances, and areas (e.g., the span of your child's hand might be six inches, the distance from home to school might be one mile, the area of the kitchen may be twice the area of the bathroom).
- Have your child help you when a task requires measuring tools (e.g., figuring out how much carpeting would be needed for a room).
- Let your child plan meals and cook with you, figuring out how to double a recipe.
- Have your child practice reading thermometers, scales, and maps.
- Have your child estimate then determine by indirect measuring the volume of containers.

Geometric Sense

- Help your child make a scale map of your neighborhood, labeling places and streets.
- Have your child show you lines of symmetry found in the environment.
- Have your child estimate then determine by indirect measuring the volume of containers.
- Look for opportunities to talk about shapes and angles. Most furniture has right angles. Why is this? If your child has game boards or spinners, look at their designs. Do they see any angles?
- Play games that require using a coordinate grid system (e.g., Battleship ®).

