

# **Home Activities for Mathematics**

## **Number Sense**

- Play number games with your child
- Help your child practice multiplication and division facts using flash cards.
- When shopping, give your child real and practical experiences such as weighing fruit, comparing prices, calculating discounts, determining the better buy and figuring change.
- When cooking, have your child change the recipe by doubling or cutting in half the amounts.
- Have your child calculate interest, fees, and penalties for a savings account.

## **Algebra and Functions**

- Have your child plan a trip and determine miles to travel, gas mileage for the car, amount for gas to be used, the traveling speed, and estimated arrival time.
- Have your child discuss the different currency rates in different countries. Discuss how much 100 dollars of American money might be worth in Japan, China, and Canada for example.

## **Measurement and Geometry**

- Have your child build projects (e.g., sewing, woodwork, crafts, tile floors, anything requiring a design).
- Work with your child in planning home improvement projects that require measuring, using standard and metric units (e.g., building a cabinet, determining square footage of a room before painting).

## **Statistics, Data Analysis, and Probability**

- Have your child calculate averages for sports (e.g., free throw percentage, baseball averages, football rushing average, passing percentage, quarterback ratings).
- When working on a science project, have your child collect and record data.
- Play cards or dice games with your child and mathematically determine the probability of winning.

## **Mathematical Reasoning**

- Play games with your child (e.g., purchase a logic book).
- Have your child solve puzzles (e.g., riddles, crosswords).
- Have your child plan a family budget.