

Summer Learning for Kids & Parents

Mathematics

Whether sitting by the pool or visiting the beach, summer is a great time to reinforce mathematics concepts and learning. Below is a list of ways to engage the entire family in math explorations during the summer time.

- ◆ Play card games and board games to improve computation and problem-solving skills.
- ◆ Find a variety of objects around the house. Read the labels to compare the weight and capacity of the objects. Which one is heavier? How much heavier? Which one holds more liquid?
- ◆ Grab a handful of coins. How much money did you grab? How close are you to \$1, \$5, \$10?
- ◆ In the grocery store, estimate costs and compare prices.
Ex. Estimate the total cost of two candy bars and calculate the change you will receive if you paid with \$5.
- ◆ Create real-world problems based on the places you visit.
Ex. An average of 52,964 visitors attend Walt Disney World each day. Approximately how many visitors attend the park each week?
- ◆ While traveling, search for numbers (including fractions and decimals) on signs, license plates, and buildings. Which number is the greatest? Add or multiply the numbers.
- ◆ Use playing cards or dice to practice math facts, create numbers, and solve computation problems.
 - ◆ What is the largest (or smallest) number you can create with four cards? (add a decimal point for extra challenge)
 - ◆ Roll three dice and multiply the numbers.
 - ◆ Each person turns over two cards and adds (or multiplies) the numbers. The person with the largest number takes the cards. Continue playing until one player wins all of the cards.
- ◆ Track the time you spend on different activities (playing outside, reading, eating dinner, watching a movie).
- ◆ Use measuring tools to measure ingredients for a recipe. Practice doubling or tripling the recipe.

4th

Summer Programs

Summer Math Challenge

A free, six-week, email-based math skills program for students who have finished first through eighth grades. As a part of the program, parents receive daily emails with fun, targeted activities and resources to help children retain the math skills learned during the previous school year.

<https://quantiles.com/content/summer-math-challenge/>

Math Summer Challenge

Students complete a gameboard using the online games at GregTangMath.com.

<http://gregtangmath.com/summer>

Websites & Resources

Helping Your Child Learn Mathematics

<https://www2.ed.gov/parents/academic/help/math/index.html>

PBS Parents — Math

<http://www.pbs.org/parents/education/math/>

Prodigy (free math game for grades 1—8)

<https://prodigygame.com/>

