

LEARNING AT HOME!

- Ask your child to look at the gasoline pump to see how many gallons of gas you bought and the cost per gallon.
- Have your child "time" how long it takes them to dress or drive to school. Share the time of upcoming appointments or practices and discuss what time you will need to leave in order to get there on time.
- Have your child cut out grocery coupons from the paper or magazine to go along with your shopping list. They can total up the money saved by the coupons.
- Cooking is a great way to show both fractions and mixed numbers (we need $1\frac{1}{2}$ cups of flour).
- As you enter a parking lot, say something like there are 7 cars in that row. How many tires are there?
- Look through a paper or magazine and discuss what information is learned from weather charts, tables, or graphs.
- Use a page of the classified ads to create challenges. ("Find the largest number." "Find the smallest number.")
- Find numbers that have a 9 in the tens place. Find numbers greater than 10,000.
- Practice one number fact-family a day ($4 \times 6 = 24$, $6 \times 4 = 24$, $24 \div 6 = 4$, $24 \div 4 = 6$).

- Use the newspaper or a catalog to go on a pretend shopping spree with your child. Pretend you have \$150 to spend. Select the items so that the total will be as close to \$150 as possible.
- Estimate, and then measure accurately, many different objects in your child's environment using inches and centimeters, quarts, liters, and etc.
- Find and cut out pictures of 2 and 3 dimensional shapes from magazines or catalogs. Make a chart or picture collage using these pictures (spheres, cones, cubes, cylinders, triangles).
- Play "More Than - Less Than" with your child. Think of a number between 1 and 1000, and ask your child to guess the number. Tell them if their guess is more than or less than the answer. Challenge your child to develop strategies to solve the problems in as few guesses as possible.
- Have your child make their own purchases and keep track of a budget and change.
- Compare/contrast and sort everyday objects by attributes (color, size)

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Additional information from
<http://www.utdanacenter.org/wamathrevision/>
Washington State's revised K-12 math standards
and
Kent School District: www.kent.k12.wa.us

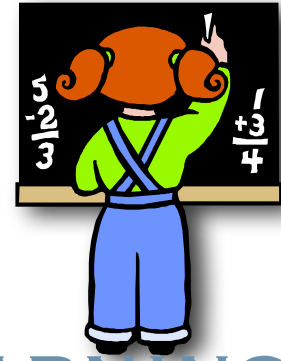
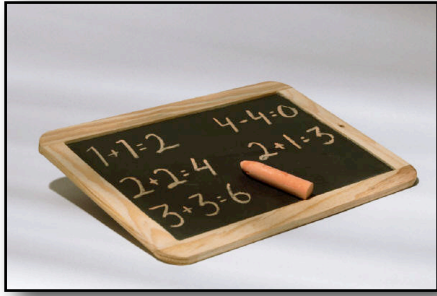
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A PARENT'S GUIDE TO

THIRD GRADE MATH



BRIARCREST ELEMENTARY SCHOOL AND PARENTS WORKING TOGETHER FOR STUDENT ACHIEVEMENT



BUILDING BLOCKS FOR MATH LEARNING

THINGS TO DO AT HOME BASED ON THE WASHINGTON STATE STANDARDS.

1.0 Understand and apply concepts and procedures -

Number Sense:

- Use a page of the classified ads to create challenges. "Find the largest number. Find the numbers which have a 5 in the tens place. Find numbers greater than 8,000."
- Using a shopping catalog, go on a pretend shopping spree. Pretend you have \$250 to spend, and select items so that the total will be as close to \$250 as possible.
- Have your child practice one number fact family a day ($4 \times 5 = 20$, $5 \times 4 = 20$, $20 \div 5 = 4$, $20 \div 4 = 5$).

Measurement:

- Estimate and then measure accurately different objects using inches and centimeters, quarts and liters, etc..
- Plan and cook meals with your child, focusing on accurate measurement.

Geometry:

- Have your child find and cut out pictures of 2 and 3 dimensional shapes from magazines or catalogs, (e.g., spheres, cones, cubes, cylinders, triangles). Make a chart or collage using these pictures and discuss their characteristics.

Probability and Statistics:

- Have your child conduct a survey of family members or friends and then graph the results.

Algebra:

- Have your child create number patterns and then try and figure out the patterns they created, then switch roles.

2.0 Define and solve problems-

- Regularly create math problems for your child to solve. Ask your child to explain how they would go about solving the problem and ask questions like: "What do you have to figure out? How would you get started? What do you already know?"

3.0 Mathematical reasoning -

- Provide opportunities to play math games with your child, such as dominoes, Yahtzee®, or Battleship®.

4.0 Communicate knowledge and understanding -

- Regularly read math books with your child, such as, The Doorbell Rang, by Pat Hutchings, and Alexander, Who Used to be Rich Last Sunday, by Judith Viorst.

5.0 Understand mathematical connections -

- Connect math learning to the everyday world by talking with your child when you read a map, make plans to go on vacation, go to the bank, go shopping, etc.

Web Links

Arithmetic Four

http://www.shodor.org/interactivate/activities/ArithmeticFour/?version=1.5.0_07&browser=Mozilla&vendor=Apple_Computer,Inc

Multiflyer

http://www.brainormous.com/online/loader_multiflyer.html

Add or subtract with Base 10 Blocks

http://nlvm.usu.edu/en/nav/frames_asid_264_g_2_t_1.html

Change Maker

<http://www.funbrain.com/cashreg/index.html>

Math-O

http://www.tki.org.nz/r/wick_ed/maths/interactives_matho1.php

Fun Brain-Math Brain

<http://www.funbrain.com/brain/MathBrain/MathBrain.html>