



Third Grade Summer Math

Suggested Activities to practice mathematics with your child this summer.

Be playful in your approach and most of all...have fun with math!

- ⇒ Practice reading large numbers up to 10,000 that you find at home. Examples: large numbers in the newspaper or scores on video games. Talk about numbers that are larger or smaller. Ask your child to explain why the numbers are different.
- ⇒ Practice multiplication and division facts through 10×10 by playing games or using flashcards.
- ⇒ Practice solving simple multiplication and division problems. Talk with your child about the reasonableness of the answer. Does the answer make sense?
- ⇒ Look for charts and graphs in newspapers and magazines. Talk with you child about the data that is shown in the graphs. Keep a record of the number of hours you spend on certain activities at home. Make different types of charts to display the data. If you use data in your job, talk with your child about how you use data. For example, a shop owner uses sales data to determine the amount of goods she might sell. The weather forecaster uses data to predict the temperature. A teacher uses data (tests scores) to see how her students are doing.
- ⇒ When you travel practice “elapsed time”. That means the number of hours and minutes between the beginning and the end of an event. For example, how much time has passed between 2:45 and 3:15?
- ⇒ Tell and write time to the nearest minute.
- ⇒ Take a tour through your kitchen cabinet and look at the measurements listed on packages. The US requires that both customary and metric measures be on the package or can. For example a cola can contains 12 fl oz and 355 mL. Allow your child to experiment with weights and measures by filling different size measuring cups and pouring into the next larger or smaller size. Be sure and stand next to the sink!
- ⇒ Use a ruler, yard stick or measuring tape to measure lengths in your home. It is helpful for children to have “benchmarks” to help them understand and use the correct units to measure. For example, would you use feet or inches to measure the length of your family room? Turn the ruler over and compare the metric side.
- ⇒ Talk about fractions in your every day activities. A fraction can describe a part of a whole. If there are 8 slices of pizza, then each slice is $\frac{1}{8}$. A fraction can describe a part of a group. There are 3 boys and 7 girls at the birthday party. So, $\frac{7}{10}$ of the children are girls. Unit fractions are fractions that have a numerator of one. Some examples are $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{8}$. Benchmark fractions help to estimate the size of other fractions. $\frac{1}{2}$ is a benchmark fractions.

Websites:

<http://www.funbrain.com/tens/index.html>
<http://education.jlab.org/placevalue/index.html>
<http://www.funbrain.com/cashreg/>
<http://www.playkidsgames.com/games/mathfact/default.htm>
<http://www.mathcats.com/explore/factfamilycards.html>
<http://nces.ed.gov/nceskids/createagraph/>
<http://www.ixl.com/math/practice/grade-3-bar-graphs>
http://www.softschools.com/math/data_analysis/pictograph/games/

http://www.multiplication.com/interactive_games.htm
<http://www.fun4thebrain.com/division.html>
<http://www.mathsisfun.com/associative-commutative-distributive.html>
<http://www.mathsisfun.com/timestable.html> Basic fact practice is always helpful!
<http://www.coolmath4kids.com/fractions/index.html> Try lessons 1, 3, 4, 10 and 11

Books to read:

The Mystery of Nine by Felicia Law
A Place for Zero: A Math Adventure by Lopresti and Hornung
Earth Day--Hooray! by Stuart J. Murphy
A Dollar For Penny by Julie Glass and Joy Allen
Candy Counting: Delicious Ways to Add and Subtract by Lisa McCourt

Chrysanthemum by Kevin Henkes
Math Potatoes by Greg Tang
The Hershey's Milk Chocolate Bar Fractions Book by Pallotta and Bolster
Full House: An Invitation to Fractions by Dayle Ann Dodds
Fraction Fun by David A. Adler

For more information please go to <http://www.esmath.knoxschools.org>