



## Fifth 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!

<http://esmath.knoxschools.org>

- ⇒ Practice basic multiplication and division facts. Make homemade flashcards and practice some each day! Make it fun.
- ⇒ Practice multiplication and division problems like the examples shown below. Use a calculator to check answers. Talk about whether the answer is reasonable or not. Write word problems to solve using these kinds of numbers.

$$\begin{array}{r} 27 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 429 \\ \times 35 \\ \hline \end{array}$$

$$16 \overline{)57}$$

$$41 \overline{)728}$$

- ⇒ Look up the vocabulary words place value, factor, prime, composite, multiple, prime factorization, greatest common factor (GCF), least common multiple (LCM), common denominator, improper fraction, mixed number, equivalent fraction, simplest form and discuss their meanings. For example: Ask your child to tell you what they know about **prime numbers**. *Math Dictionary for Kids* <http://www.mathsisfun.com/definitions/index.html>
- ⇒ **0.25** is also **25/100** and  $\frac{1}{4}$  These are all **equivalent representations or forms** of the same number.
- ⇒ Practice with the place value chart below. Make up numbers and practice putting them in all the different forms.

Place Value Chart													
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones		Tenths	Hundredths	Thousandths	Ten Thousandths	Hundred Thousandths	Millionths
		7	5	6	3	9	.	4	7	2	1		
<b>Standard form</b> is 75,639.4721													
<b>Word form</b> is seventy-five thousand, six hundred thirty-nine and four thousand seven hundred twenty-one ten thousandths													

- ⇒ Use fractions and decimals to describe things in your home. Reading a ruler is a great way to understand the relative size of fractions. Have your child help determine how much things cost at the grocery store using dollars and cents to practice using decimals.
- ⇒ Practice addition, subtraction, multiplication and division of fractions.

### Helpful Websites:

<http://www.pearsonschool.com/index.cfm?locator=PSZn49> Lots of games!!!

[http://www.multiplication.com/interactive\\_games.htm](http://www.multiplication.com/interactive_games.htm)

<http://www.bigbrainz.com/Download.html> This is a free downloadable game. You don't have to buy the full version to play.

<http://www.aaaknow.com/div.htm> division facts

<http://www.aaamath.com/fra63ax2.htm> (scroll down to find the activity on prime and composite numbers)

<http://www.coolmath.com/prealgebra/02-decimals/index.html>

[http://www.mathsonline.co.uk/freesite\\_tour/resource/whiteboard/decimals/dec\\_note\\_s.html](http://www.mathsonline.co.uk/freesite_tour/resource/whiteboard/decimals/dec_note_s.html)

<http://www.ezschool.com/Games/CompareDecimals.html>

<http://www.brighthub.com/education/homework-tips/articles/36670.aspx> Learn to multiply fractions while you make cookies!

<http://www.helpwithfractions.com/index.html>

<http://www.mathsisfun.com/operation-order-pemdas.html>

### Books to read:

*Division (Question of Math)* by Sheila Cato and Sami Sweeten

*A Remainder of One* by Elinor J. Pinczes and Bonnie MacKain

*A Fly on the Ceiling* by Julie Glass and Richard Walz

*Ready, Set, Hop! Building Equations* by Stuart J. Murphy