

River Edge School District

Parent Mathematics Newsletter

I would like to thank all the parents who attended our first Parent Academy in Mathematics for grades three through six. The evening was a huge success for all who attended. The takeaway from that evening is that our math has changed in a few ways with the full implementation of the Common Core Standards. The standards have more focus, depth and rigor than the prior math standards. We have adjusted our instruction and added new resources to achieve the common core.

As a result of the evening, we have decided to provide you with a parent newsletter to keep you informed of the instruction your child will receive in each unit of math. We are hopeful that these newsletters will assist you in supporting your child’s journey through mathematics.

Kristen Crawford

Math & Science Instructional Coach and Supervisor

**Try at home**

Math is everywhere. Inside please find activities you can try at home to reinforce your child’s skills

Grade 3, Unit 3

## Math in the Common Core Age

**Websites and Videos**

Links to fun games and practice for use at home. There are tutorial videos enclosed for a quick review.

Inside

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| **Topic** | **Standard** | **What does it look like?** |
| Area | **3.OA.1**-Understand the meaning of multiplication  **3.MD.5**-Understand area.  **3.MD.6**- Measure the area by counting unit squares. | [Area- Video Lesson](http://learnzillion.com/lessons/1158-find-the-area-of-a-square-or-rectangle-by-counting-unit-squares) |
| Line Plots | **3.MD.4.** -Show the data by making a line plot | [Interpret a Line Plot Video Lesson](https://learnzillion.com/lessons/3476-interpret-data-on-a-line-plot-by-making-observations)  [Creating a Line Plot Video Lesson](https://learnzillion.com/lessons/3303-create-a-line-plot-using-a-data-set-of-fractional-measures) |
| 1 and 2 Step word Problems | **3.OA.3**- Solve word problems using multiplication and division | [Word Problem Video Lesson](https://learnzillion.com/lessons/48-understand-division-problems-matching-equations-to-real-world-examples) |
| Less and More | **3.MD.3.** Draw a picture graph or bar graph to represent a data. Solve one- and two-step “how many more” and “how many less” problems using information in graphs. | [Bar Graph Video Lesson](http://learnzillion.com/lessons/2979-draw-bars-on-a-graph)  [Reading a Bar Graph Video lesson](http://learnzillion.com/lessons/3102-identify-questions-that-can-be-answered-using-graphs) |

### What will your student learn:

### Applications of Multiplication

**By**

**Kristen M. Crawford**

Grade 3, Unit 3



**Technology Tidbit:**

Multiplication and Division:

<http://www.mathplayground.com/quick_math.html>

<http://www.kidsnumbers.com/long-division.php>

<http://illuminations.nctm.org/Activity.aspx?id=3530>

<http://www.learnalberta.ca/content/me3us/flash/lessonLauncher.html?lesson=lessons/08/m3_08_00_x.swf>

<http://www.sheppardsoftware.com/mathgames/matching/MultiplicationX.htm>

Word Problems:

<http://www.thinkingblocks.com/tb_multiplication/multiplication.html>

Graphs & Line Plots:

<http://nces.ed.gov/nceskids/createagraph/>

<http://www.harcourtschool.com/activity/elab2004/gr5/29.html>

Area:

<http://www.mathplayground.com/PartyDesigner/PartyDesigner.html>

<http://www.shodor.org/interactivate/activities/ShapeExplorer/>

**Vocabulary:**

**Multiplication:**an operation on two numbers to find their product. It can be thought of as repeated addition.

**Division:** to make equal groups

**Dividend:** a number that is divided by another number

**Product:** the result of multiplication

**Quotient:** the number, not including the remainder, that results from dividing

**Equation:** a mathematical statement containing an equal sign, to show that two expressions are equal

from dividing

**Factor:** a number that is multiplied by another number to get a product

**Array:** an arrangement that shows objects in columns and rows

**Area:** The number of square units needed to cover a surface

**Line Plot**: shows data on a number line with **x** or other marks to show frequency.

**Scaled Pictograph:** A graph that uses pictures to show data

**Scaled Bar Graph:** A graph that uses bars to show data

Make arrays out of household items (e.g., pennies, beans, blocks)

Select multiplication or division facts to illustrate or write a word problem.

Use a calculator to solve word problems using multiplication and division.

Act out division problems with counters.

Share and discuss tables and graphs found in newspapers and magazines.

Conduct a survey among family members or friends and construct a bar graph or pictograph.

Activities to try at home