

River Edge

School District

Parent Mathematics Newsletter

Grade 4, Unit 3

Inside



I would like to thank all the parents who attended our first Parent Academy in Mathematics for grade 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. We have scaffolded our instruction to ensure that students will learn using careful steps toward mastery of the common core standards.

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

## Math in the Common Core Age

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**Try at home**

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

**Websites and Videos**

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



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| --- | --- | --- |
| **Topic** | **Standard** | **What does it look like?** |
| Addition  | **4.NBT.4-**Fluently add multi-digit numbers, within 1,000,000 | [Adding multi-digits lesson](https://learnzillion.com/lessons/3122-add-using-the-standard-addition-algorithm) |
| Subtraction | **4.NBT.4**- Fluently subtract multi-digit numbers, within 1,000,000 | [Subtracting multi-digits lesson](https://learnzillion.com/lessons/3160-subtract-using-the-standard-subtraction-algorithm) |
| Multiplication | **4.NBT.5-** Multiply four digits by one digit | [Multiplying four digit numbers lesson](https://learnzillion.com/lessons/1878-use-place-value-understanding-to-multiply-three-and-four-digit-numbers) |
| Multiplication | **4.NBT.5-** Multiply two digits by two digits | [Multiplying two digits by two digits lesson](https://learnzillion.com/lessons/1879-use-an-area-model-for-multiplication-of-two-digit-numbers-by-two-digit-numbers) |
| Division | **4.NBT.6 –** Divide up to four digits by one digit  | [Dividing up to four digits lesson](https://learnzillion.com/lessons/1484-divide-four-digit-dividends) |
| Find the missing Area and Perimeter | **4.MD.3-** Apply formulas for area and perimeter in real world mathematical problems | [Find the missing area lesson](https://learnzillion.com/lessons/2425-find-missing-side-lengths-using-the-formula-for-area) [Find the missing perimeter lesson](https://learnzillion.com/lessons/3048-find-missing-side-lengths-using-the-formula-for-perimeter) |

### What will your student learn:

### Multi-Digit Operations

Grade 4, Unit 3

By

Kristen M. Crawford



**Multiplication:**

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

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

**Addition:**

[http://www.crickweb.co.uk/ks2numeracytools.html#Toolkit-index2a](http://www.crickweb.co.uk/ks2numeracy-tools.html#Toolkit-index2a)

Click on Teacher Tool kit

Click on place value calculator

**Division:**

<http://illuminations.nctm.org/Activity.aspx?id=4197>

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

**Real word problems with multiplication and Division:**

<http://www.mathplayground.com/tb_multiplication/thinking_blocks_multiplication_division.html>

**Area and Perimeter:**

[http://www.mathplayground.com/PartyDesigner/Party](http://www.mathplayground.com/PartyDesigner/PartyDesigner.html)

Technology Tidbits

Vocabulary:

**Expanded Form:** Writing a number as the sum of the values in each digit

**Regrouping:** To exchange amounts of equal value to rename a number

**Product:** The answer to a multiplication problem

**Divisor:** The number that divides the dividend **Dividend:** A number being divided

**Quotient:** the result of a division

**Perimeter:**The distance around an object.

**Area:** The measure, in square units, of the inside of a plane figure.

Activities to try at home

Make up numbers, roll numbers with dice, or find numbers (on labels) and compare them

Find numbers and write them in expanded form

Place large numbers on a number line

Draw pictures and make models of numbers

Practice addition and subtraction facts

Use a ruler to find a perimeter of plane figures.

