

Washington Rose Elementary School
Ms. Alexander-Principal
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Math News...

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Standards for Mathematical Practice: The 8 mathematical practices are based on the National of Teachers of Mathematics' Process Standards and the National Research Councils' Strands of Mathematical Proficiency. These practices should be considered when developing lessons. Listed are the 8 Mathematical Practices and what mathematically proficient students can do.

- 1. Make sense of problems and persevere in solving them**
 - Gather information→ make a plan→ anticipate solutions→ evaluate progress→ check results→ question sense of solution
- 2. Reason abstractly and quantitatively**
 - Decontextualize→ contextualize
- 3. Construct viable arguments and critique the reasoning of others**
 - Make a conjecture→ build a reasonable argument to support the conjecture→ communicate conclusions→ respond to arguments→ justify conclusions→
- 4. Model with mathematics**
 - Use mathematics to solve real world problems
- 5. Use appropriate tools strategically**
 - Use math tools effectively and efficiently
- 6. Attend to precision**
 - Communicate accurately and use clear definitions
- 7. Look for and make use of structure**
 - Understand a pattern or structure and adjust perspective
- 8. Look for and express regularity in repeated reasoning**
 - Recognize repeated calculations and search for shortcuts

Website: <http://commoncoretools.me/tools/>

Recommended Fluency: *Around the World with Multiplication*

Go to: <http://www.beaconlearningcenter.com/Lessons/370.htm> for directions. This activity was suggested by Mrs. Charles-Brown. Thank you!

Dominoes are a great way to reinforce basic math facts and build number sense. Go to: www.mathwire.com for a list of domino activities.

FASTT Math: The Common Core Standards require students to be fluent in whole number operations by the end of third grade. *FASTT Math* allows students to develop math fact fluency and automaticity. Remember- students should be using FASTT Math daily. Please see Mrs. Simpson and Mrs. D. McCarthy for recommendations on how to incorporate FASTT Math into your daily routine. Laptop carts are available upon request (contact Mrs. Beasley).

Common Core Modules- What should you be working on now?

- Pre-K: Module 1- Analyze, Sort, Classify, and count up to 5 (45 days)
- Kindergarten: Module 1- Classify and Count Numbers to 10 (45 days)
 - *Go Math*- Chapter 1
- Grade 1: Module 1- Addition, Subtraction of Numbers to 10 with Fluency (45 days)
 - *Go Math*- Chapters 1-5
- **Grade 2: Module 2- Add and subtract measurements (20 days). This standard will be revisited in Module 4. Please note that some lessons are not covered in this module.**
 - *Go Math*- Chapter 8 Lessons 8.1-8.8
 - *Go Math*- Chapter 9 Lessons 9.1- 9.3 & 9.5-9.7
- Grade 3: Module 1- Multiplication and Division with Factors 2, 3, 4, 5, and 10 (25 days)
- Grade 4: Module 1- Place Value, rounding, Fluency with Addition and Subtraction of Whole Numbers (25 days)
- Grade 5: Module 1- Place value of Decimal Fractions to the Thousandths (30 days)