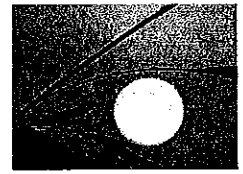


# Keep your brain CALCULATING over the SUMMER BREAK!



Here are some skills that you should arrive in the Fall knowing.

Middle School Math	Pre-Algebra	Algebra	Geometry
Add, subtract, Multiply and Divide by 2 and 3 digit Whole Numbers.	Add, subtract, Multiply and Divide 2 and 3 digit Whole Numbers.	Add, subtract, multiply and divide fractions, mixed numbers and Integers.	Add, subtract, multiply and divide fractions, mixed numbers and decimals.
Add, subtract, multiply and divide fractions, mixed numbers and decimals.	Add, subtract, multiply and divide fractions, mixed numbers and decimals.	Convert fractions and decimals to percent's.	Factoring - FOIL
Read and round decimals.	Read and round decimals.	Plot points on the Coordinate plane.	Simplifying Radicals
Simplify fractions and mixed numbers to improper fractions and vice versa.	Simplify fractions and mixed numbers to improper fractions and vice versa.	Write, solve and graph a Linear Equation.	Working with Quadratics.
Order of Operations	Solve 1 step equations.	Exponents	Different forms of a Linear Function
Fractions to decimals and vice versa	Convert fractions and decimals to percents. Interpret verbal expressions.	Evaluate expressions	System of Equations, writing, and simplifying.
	Order of Operations.	Solve 1 and 2 step Equations.	
	Plot points on a Coordinate plane.		

Keep this school year's math fresh in our mind over the summer so you are ready for a successful school year in Math!

Below is a list of websites to keep your mind fresh mathematically over the summer. Try to visit them daily or weekly so you are ready to go in the Fall.

Recommended for all courses:

**1. Kahn Academy**

[www.khanacademy.org](http://www.khanacademy.org)

A library of over 3000 videos covering everything from arithmetic to physics.

**2. Basic Math and Pre-Algebra**

[http://www.cliffsnotes.com/study\\_guide/Basic-Math-PreAlgebra.topicArticle-266336.html](http://www.cliffsnotes.com/study_guide/Basic-Math-PreAlgebra.topicArticle-266336.html)

Free basic articles in basic math – algebra

**3. Kuta Software**

[www.kutasoftware.com](http://www.kutasoftware.com)

software for math teachers that creates exactly the worksheets you need in a matter of minutes.

**4. Shmoop: Homework Help, Teacher Resources, Test Prep**

[www.shmoop.com](http://www.shmoop.com)

Homework help written by PhD students from Stanford, Harvard and Berkeley

**5. Math Warehouse**

[www.mathwarehouse.com](http://www.mathwarehouse.com)

A website dedicated to math lessons, demonstrations, interactive activities and online quizzes.

**6. IXL**

[www.ixl.com](http://www.ixl.com)

Comprehensive math practice in more than 2000 topics.

**7. Math Warehouse**

[www.mathwarehouse.com](http://www.mathwarehouse.com)

Dedicated to math lessons, demonstrations, interactive activities and online quizzes in all areas.

**8. ClassZone**

[www.classzone.com](http://www.classzone.com)

**9.AAA Math**  
[www.aaamath.com](http://www.aaamath.com)

Comprehensive set of interactive arithmetic lessons. Unlimited practice is available on each topic.

**10. Algebra Menu – Math is Fun**  
[www.mathisfun.com/algebra.index.html](http://www.mathisfun.com/algebra.index.html)

**11. Geometry – Math is Fun**  
[www.mathisfun.com/geometry/index.html](http://www.mathisfun.com/geometry/index.html)

If you like playing with objects, or like drawing, then geometry is for you! Plane Geometry is playing with flat shapes and Solid Geometry is about three-dimensional objects like cubes, prisms and pyramids.

**12. Math Goodies**  
[www.mathgoodies.com](http://www.mathgoodies.com)  
Math help since 1998. Interactive instruction and free resources.

**13. Math is Fun- Homework Help**  
[www.mathisfun.com](http://www.mathisfun.com)  
Math explained in easy language, plus puzzles, games, and quizzes, worksheets and a forum. Good for K-12, teachers and parents.

**14. Fun Kids Online Math Games**  
[www.sheppardsoftware.com/math.htm](http://www.sheppardsoftware.com/math.htm)  
Free online kids math games make learning fun.

**15. FunBrain**  
[www.funbrain.com](http://www.funbrain.com)  
Rated the #1 site for online educational games for kids of all ages.  
(math, grammar, science, spelling and history)

**16. Math Playground- Online Math Games that Give your Brain Workout**  
[www.mathplayground.com](http://www.mathplayground.com)

**17. Math Teaching Videos**  
[www.mathplayground.com/mathtv.html](http://www.mathplayground.com/mathtv.html)