

Hello, 8<sup>th</sup> graders,

I hope you have had a wonderful start to the summer with plenty of time to relax, play, and spend time together as a family. I am emailing to provide you with some resources to help keep you stay engaged with math this summer. I recommend spending about 60-90 minutes a week working on some kind of math to keep their skills sharp for next year as 8<sup>th</sup> graders.

**For Review and Reinforcement:**

-[Khan Academy](#) is a free web-site that provides short video tutorials and interactive practice with math skills and concepts. If your child does not already have an account, you can set one up for yourself and then your child [here](#). Select 7<sup>th</sup> grade for the current grade-level. When prompted to select a subject, check the box for Math: 7<sup>th</sup> grade. (And if you want an extra challenge, see what it's like when you choose 8<sup>th</sup> grade as your current grade-level.

**For Fun and Enrichment:**

**-Explore Vi Hart Videos**

Vi Hart is a self-described “mathemusician” who has made a series of quirky and thought-provoking mathematical videos on topics that often inspire further investigation. Here is a link to one of my favorites: [Mobius Story: Wind and Mr. Ug](#).

**-Read The Number Devil by Hans Magnus Enzenberger:**

The Number Devil is a novel that makes mathematics a thrilling exploration. It explores topics including infinity, prime numbers, the Fibonacci sequence and more in a whimsical and fun way.

**-Apps & Games:**

Check out this site with recommendations for a variety of rich and engaging math apps and board games. <https://www.youcubed.org/resource/apps-games/>

**-Stretch & Challenge:**

For a good challenge, I recommend [Problems of the Week](#) on the MathCounts website or previous [AMC8 contest competitions](#).

**-A+ Click: Math and Logic Problems**

A+ Click helps students become problem solvers. No fees, no ads, no calculators, and no sign in. The website features a graduated set of 7000+ challenging problems for students in grades one through twelve, starting from the very simple to the extremely difficult. The questions concentrate on understanding, spatial reasoning, usefulness, and problem solving rather than math rules and theorems. The problems include a short description and an illustration to help problem solvers visualize the model.

Enjoy your summers and I look forward to seeing everyone at the end of August!

Best,  
Melissa