

June 19,2020

Dear Parents/Guardians of 5th to 7th Graders,

First I would like to thank you for all of your support throughout the year and especially once we went to remote learning. It was definitely not how we expected the year to end. I would like to give you some resources.

Summer assignment will be the as follows

- 5th Grade to be 6th Graders-Incoming work for 6th Grade
- 6th Graders to be 7th Graders-Spiral Review
- 7th Graders to be 8th Graders- Spiral Review

\*These will be posted on Google classroom, posted on the SHGS Website, and emailed to students email\*

Here are some resources that are not an assignment to be completed. This is just something handy for you if you would like to do with your son/daughter.

### **1.BRAIN TEASERS, PUZZLES AND PROBLEM SOLVING**

Do these together! They will develop your child's (and your own) logical thinking and problem solving skills, which will help with math.

- Simply google "[brain teasers for kids](#)", "[brain puzzles for kids](#)", or similar.
- **Problem Solving Decks**  
Includes a deck of problem cards for grades 1-8, student sheets, and solutions. All of these problems lend themselves to students telling and writing about their thinking.
- **Math Stars Problem Solving Newsletter** (grades 1-8)  
These newsletters are a fantastic, printable resource for problems to solve and their solutions.
- **Problem Solving from MathWire.com**  
Neat and creative problems to solve for K-8.
- **Step-by-Step Problem Solving, Grade 4**  
A problem-solving workbook that provides step-by-step instruction, problem pages at varied levels of difficulty, a math strategies overview, and a complete answer key. The book utilizes bar models just like Math Mammoth and Singapore Math. **Other grades available also.**
- **Challenge Math For the Elementary and Middle School Math Student**  
Over 1,000 math word problems for children in grades 4-8. Answers are included in the back of the book.
- **Mathematics Enrichment**  
Open-ended, investigative math challenges for all levels from the UK.
- **Figure This! Math Challenges for Families**  
Word problems related to real life. They do not always have all the information but you have

to estimate and think. For each problem, there is a hint, other related problems, and interesting trivia.

- **MathCounts School Handbook (PDF)**

This handbook contains 300 creative problems for grades 6-8. All problems are mapped according to topic and difficulty level.

2. Websites/Games

- a. Khan Academy-already have an account
- b. [Xtramath](#)-helps master basic math facts
- c. [Which one doesn't belong?](#)
- d. [Set game](#)
- e. [Solvemoji](#)
- f. [Ted Talks of Math in Real Life](#)
- g. [Sudoku](#)
- h. [9 Fun Math Activities Kids in Grades 6-12 Can Do at Home](#)

3. EngageNY or embarconline to find videos of lessons that go with the Common Core Curriculum

4. Another possibility is to take part in Problem of the Week programs or math contests. They provide some variety and challenge!

- **The Math Contest**

A new problem is posted every Monday at 8am.

- **Problem of the Week** from CEMC

Available in five difficulty levels. The archives contain a lot of problems & solutions you can use!

- **MathCounts Problem of the Week**

A new problem posted every Monday.

5. [Momath](#) has some events on their website that are free

I wish you a healthy and safe summer! Good luck next year. It was great to work with you this year and hope this list of resources is helpful.

Mrs. Maya