



# Summer Math Explorations

## Algebra I & Problem Solving

Hello Algebra I Families!

As a math department, we believe that it is important for each person to know that they can be a successful mathematician, and we will be working each day in class towards that goal. To get us started on that journey, we have a few activities for you to explore.

### **Your Summer Activity**

We would like for each Algebra I student to complete [this creative problem solving activity](#). Each student should complete this activity before we begin the 2020-2021 school year. There is no “right answer” to this problem - we just want you to be creative and think it through. We will discuss this activity at the beginning of the school year during our kick-off unit on problem solving.

### **Skills Reinforcement**

In addition to the activity above, we would like for you to practice some of your math skills. Thus, we have included [this list of resources](#) that you should use to practice. We hope that you’ll take some time each week to brush up on some of your math skills. Please keep your answers in an organized, easy-to-read format that you can submit to your teachers at the beginning of the year.

### **Optional Math Activities**

We have also put together [a list of math activities](#) for your use, many of which you can do together as a family! These activities will have you applying math skills to things you might already be doing,

## **Parent Support**

While these resources are intended to help our Algebra I students keep their math minds fresh over the summer, parents have an important role to play, too! According to research, students learn best when parents create a math-related learning environment for their child. In addition, children learn more math over the summer when their parents have higher expectations for them.

So parents, be sure that you're getting involved! Create a math plan with your child for the summer that includes some of these activities or any others. Incorporate math into your conversations. Provide any support that they may need while completing these tasks. You're a huge part of what will help your child find the most success.

We hope that you have a happy, healthy, and safe summer, and we can't wait to see you when the school year begins!

Sincerely,  
The AGS Math Department