



# Summer Math Options

*These are optional exercises and activities for those students interested in maintaining and practicing math skills over the summer.*

## Suggested activities:

Students should be fluent with multiplication facts up to  $12 \times 12$ . Pair multiplication fluency with division facts as well. For example, students should not only practice that  $8 \times 9 = 72$ , but should also practice knowing  $72 \div 8 = 9$ . For Grade 5 students, any practice with long division, math facts, multiplication (3 digit by 3 digit), would be beneficial.

### **Enjoy math websites, practice, or play games on**

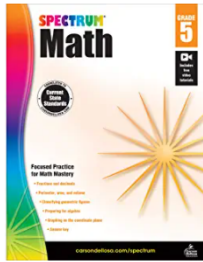
- [Big Ideas Math](#) (Skills Review Handbook - students should practice skills they have seen already. This is meant as extra practice and not to learn new material)
- [Khan Academy](#) (khanacademy.org)
- [Math Playground](#) (mathplayground.com)
- [AAA Math](#) (aaamath.com)
- [Illuminations](#) (illuminations.nctm.org)
- [Brightstorm](#) (brightstorm.com/math)
- [Manga High](#) (www.mangahigh.com)

Our school participates in the Math Olympiad Math Contest. Students can practice critical thinking and problem-solving through problems written by the organization. Grades 5 & 6 will compete in Division E and Grades 7 & 8 will compete in Division M

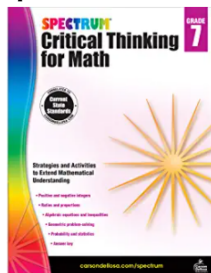
- [Sample problems](#)
- [Practice Workbooks](#)

A few workbooks can be beneficial to sharpen and practice skills over the summer. The following can be found on Amazon.com or at [www.barnesandnoble.com](http://www.barnesandnoble.com). Some of the popular ones include:

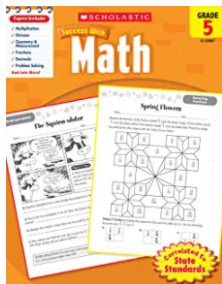
Spectrum Math Workbooks - Available for Grades 5-8



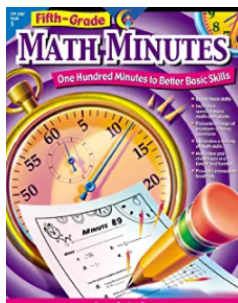
Spectrum Critical Thinking for Math - Available for Grades 5-8



Scholastic Success with Math



Math Minutes - Available for Grades 5- 8



*Note: If specific grade levels are available, purchase the workbook for the grade just completed this past school year.*