

## 2018 Summer Math for Middle School

This summer, we are asking students to spend time on math-related activities of their choosing. Below, we offer some suggestions of resources we like (there are more out there!). Additionally, activities that offer practice with logic, like Sudoku or KenKen, are excellent, along with math board games (Prime Climb, Sumoku, Qwirkle, Set, Yahtzee, Tenzi....to name a few).

### Text Resources:

- *Everything You Need to Ace Math* (Grades 7 & 8). Offers tutorials and notes about major topics from grades 6-8, along with practice problems.
- *Basic Math in 15 Minutes a Day* (Grades 7 & 8). Features short lessons, followed by review problems.
- *Argo Brothers Math Workbook, Grade 5: Free Response* (Grade 6). Problems are organized into 20 weeks, with a variety of concepts covered each week. Accompanying videos are available online for support.
- *Usborne Illustrated Math Dictionaries* are recommended as a “How To” resource book for elementary and middle school mathematics. Would be useful to supplement other practice, but offers no practice problems. Available for order from the Usborne website.

### Online Resources:

- [Khan Academy](#): For Khan Academy review that is directly related to what we learned this year, search “Eureka Math,” along with your grade, to view a collection of videos and problems organized by module and then topic. Students can create a free learner account to track their progress. Parents also have the option to create a parent account, along with accounts for their children.
- [Calculation Nation](#): This website from NCTM offers games for grades 3-8 covering a variety of foundational concepts. Students can create a free account and use a passport to keep track of progress.
- [Yummy Math](#): Yummy Math features a variety of real-world problems that students and their families can explore. The site is designed for teachers, so activities are formatted like a mini-lesson. Problems are organized by grade level and content area for focused review.
- FOR INCOMING 6th ONLY: [IXL.com](#) will be available through late August. Time spent on IXL will not be required, but is strongly encouraged to keep students on top of math skills for the summer.