

Summer Math Work for The Class of 2020

Dear Students,

Summer is here, but the good news is that math continues even when school is closed. Yay! The goal of math work over the summer is primarily to maintain or improve your math skills and mastery of this past school year's material. It also allows you to explore new topics and keep your math mind moving! Follow the directions below and have a mathematical summer!

Anne

1. Finish 85% or more of the 7th grade ALEKS. This will ensure that you have practiced and mastered the bulk of the 7th grade material, which we will build on in 8th grade. Some of you have already been moved into the 8th grade ALEKS. You can work on that as well, but you are not required to finish a certain percentage over the summer. If you do not need to work on ALEKS as described above, you should complete two or more of the other activities listed below, one of which needs to be the Summer Review Worksheets.

You won't have your iPads, but you can access the program from any browser at www.aleks.com . MAKE SURE YOU KNOW YOUR LOGIN AND PASSWORD.

2. Explore math in one or more of the following ways. **FOR ANY OF THESE ACTIVITIES, WRITE DOWN A SUMMARY OF WHAT YOU DID AND WHAT YOU LEARNED.** You will turn this in during the first week of school.
 - Complete at least three problems from each of the **10 Summer Review Worksheets**. If you have trouble with a problem, look up topics on Khan Academy or ALEKS. We will have a review test based on these problems at the beginning of the next school year.
 - Watch several Khan Academy math videos of your choosing and try the accompanying problems.
 - Take a free, self-paced, online class called "How to Learn Math," provided by mathematical mindset guru Jo Boaler of Stanford University. The course teaches strategies and presents research to help you develop your growth mindset and engage in math in a meaningful way. And there are some fun problems as well! Go to <https://lagunita.stanford.edu/courses/Education/EDUC115-S/Spring2014/about> for more information.
 - Check out topics on mathplanet.com. They have written and video explanations in pre-algebra, algebra, and more.

- Create your own math adventure.
 - Create a video to explain a math concept or a math problem, demonstrate math in nature, or some other mathematical concept.
 - Make a game that uses math.
 - Write a comic book with a mathematical theme.
 - Write a mathematical mystery in which the solution depends on a mathematical concept. Check out examples at <http://teacher.scholastic.com/maven/timefor/index.htm>
<http://teacher.scholastic.com/maven/cuckoo/index.htm>