

**Students Entering Accelerated Math 7**  
**Skills to Review**

The Accelerated Math 7 course is a rigorous, fast-paced class that encompasses all the Math 7 and Math 8 Next Generation Standards. While not a requirement, students who are taking the course are recommended to practice and have a solid understanding of the following standards and skills from 6<sup>th</sup> grade:

NY-6.RP (*Ratios and Proportional Relations*)

1. Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities
2. Understand the concept of a unit rate
3. Use ratio and rate reasoning to solve real-world and mathematical problems

NY-6.NS (*The Number System*)

1. Interpret and compute products and quotients of fractions, including word problems
6. Understand a rational number as a point on the number line. Use number lines and coordinate axes to represent points with negative number coordinates.

NY-6.EE (*Expressions, Equations, and Inequalities*)

1. Write and evaluate numerical expressions involving whole-number exponents
2. Write, read, and evaluate expressions in which letters stand for numbers
3. Apply the properties of operations to generate equivalent expressions
4. Identify when two expressions are equivalent
5. Solve one-variable, 1-step equations and inequalities

NY-6.G (*Geometry*)

1. Find areas of triangles, trapezoids, and other polygons by decomposing
2. Find volumes of right rectangular prisms
5. Use area and volume models to explain perfect squares and perfect cubes

During the school year we utilize Big Ideas and IXL to support our instruction, however, these resources are not available to students over the summer. In lieu of those, our favorite resources are linked below.

[Khan Academy - Grade 6](#) – This website gives access to video lessons and practice questions

[eMATHinstruction - Grade 6](#) – This website gives free access to video lessons only

If you have any questions, please reach out to your child's math teacher or counselor prior to the end of the school year.