

SOMERS CENTRAL SCHOOL DISTRICT

**Students Entering Math 8
Skills to Review**

The Math 8 course follows the Next Generation Math Standards for 8th grade which builds on many topics learned in 7th grade. 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 the 7th grade curriculum.

NY-7.RP (Ratios and Proportional Relations)

2. Recognize and represent proportional relationships between quantities
3. Use proportional relationships to solve multistep ratio and percent problems

NY-7.NS (The Number System)

1. Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers
2. Apply and extend previous understandings of multiplication and division to multiply and divide rational numbers

NY-7.EE (Expressions, Equations, and Inequalities)

1. Add, subtract, factor, and expand linear expressions with rational coefficients by applying the properties of operations
3. Solve multi-step real-world and mathematical problems posed with positive and negative rational numbers in any form
4. Use variables to represent quantities in a real-world or mathematical problem

NY-7.G (Geometry)

4. Apply the formulas for the area and circumference of a circle to solve problems
5. Use facts about supplementary, complementary, vertical, and adjacent angles to solve simple equations for an unknown angle

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 7](#) - This website gives free access to video lessons and practice questions

[eMATHinstruction - Grade 7](#) - 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.