Dear Students,

Congratulations! You’ve completed a very interesting school year…a first for us all. With that said, we understand that with this interesting year came some challenges to “learning” the mathematics we planned to teach to prepare you for success in the years ahead. We would like to continue to support you by recommending you take some time over the summer to log into IXL and work to master our 7th grade Accelerated curriculum as well as take some time to improve your knowledge base, wherever you are at this time. Below is a recommendation for keeping skills fresh for a strong start as 8th grade Algebra students!

LOG INTO IXL thru Clever (Otherwise, IXL.com username 6digitID@kingstoncsd password initials12345)

MATH

Here, you can see a list of all our NY State standards accompanied by the IXL skill that you can work on to master the concepts within that standard. Some of these skills were assigned this school year but revisiting them is a great way to refresh your memory of all the concepts covered throughout accelerated grade 7.

In addition to practicing skills listed with our state standards, another way to prepare yourself for moving on is using IXL’s DIAGNOSTIC TOOL. Using this tool provides IXL with data that will generate a personalized set of skills you can work on to improve your math level, no matter where you are presently.

Math 7 Accelerated IXL Skills Review
Students are welcome to practice any 7th or 8th grade math skills. We suggest a focus the skills we’ve listed below. For tutorials to support your understanding of any of these skills, copy and paste the skill name into a Khan Academy search. We understand this list appears lengthy. After all, we have accomplished a lot this year! Our goal for sharing this information, is simply to supply you with a reliable resource for accessing review, as needed. Know that by addressing any of these practice recommendations, you are doing so for your own well-being and confidence for entering Algebra. We wish you a summer filled with much needed re-connection with your family and friends and look forward to seeing you very soon.

Go to Grade 8 Math on IXL and look for these skills

C. Operations with integers
   C1. Integer addition and subtraction rules
   C2. Add and subtract integers using counters
   C3. Add and subtract integers
   C4. Add and subtract three or more integers
   C5. Add and subtract integers: word problems
   C6. Integer multiplication and division rules
   C7. Multiply and divide integers
   C8. Evaluate numerical expressions involving integers

V. Expressions and properties
   V1. Write variable expressions: one operation
   V2. Write variable expressions: two or three operations
   V3. Write variable expressions from diagrams
   V4. Write variable expressions: word problems
   V5. Evaluate one-variable expressions
   V6. Evaluate multi-variable expressions
   V7. Evaluate absolute value expressions
   V8. Evaluate radical expressions
   V9. Evaluate rational expressions
   V10. Identify terms and coefficients
   V11. Sort factors of variable expressions
   V12. Properties of addition and multiplication
   V13. Multiply using the distributive property
   V14. Write equivalent expressions using properties
   V15. Add and subtract like terms
   V16. Add and subtract linear expressions
   V17. Factors of linear expressions
   V18. Identify equivalent linear expressions I
   V19. Identify equivalent linear expressions II
   V20. Identify equivalent linear expressions: word problems

W. One-variable equations
   W1. Which x satisfies an equation?
   W2. Write an equation from words
   W3. Model and solve equations using algebra tiles
   W4. Write and solve equations that represent diagrams
   W5. Properties of equality
   W6. Identify equivalent equations
   W7. Solve one-step equations
   W8. Solve two-step equations
   W9. Solve multi-step equations
   W10. Solve equations involving like terms
   W11. Solve equations with variables on both sides
   W12. Solve equations: mixed review
F. Exponents and roots
   F1. Understanding exponents
   F2. Evaluate exponents
   F3. Solve equations with variable exponents
   F4. Exponents with negative bases
   F5. Exponents with decimal and fractional bases
   F6. Understanding negative exponents
   F7. Evaluate negative exponents
   F8. Multiplication with exponents
   F9. Division with exponents
   F10. Multiplication and division with exponents
   F11. Power rule
   F12. Evaluate expressions using properties of exponents
   F13. Identify equivalent expressions involving exponents I
   F14. Identify equivalent expressions involving exponents II
   F15. Square roots of perfect squares
       New! Estimate positive square roots
   F19. Solve equations using square roots
   F20. Cube roots of positive perfect cubes