Summer Math Assignment Incoming Advanced 8th Grade

Dear Parents of OLA Middle School Students,

We will continue to use the interactive math program, IXL, for summer math work. Since the summer learning loss is still something we are concerned with, but acknowledging that the students need a break from screens, I will be assigning the most relevant skills to ensure success next year. These are skills that the kids have already learned over the course of the school year. Over the summer, students are expected to work for **5 hours or reach 90% on each of these skills,** whichever comes first. When we return in the fall, after a brief review period, the kids will be quizzed on their ability with these skills.

The summer assignment will be graded based on 90% completion of the suggested skills or the amount of time spent actively working on IXL and it will be weighted as ½ of a test -- 50 points. Thus, each ½ hour fully completed is worth 5 points.

Our hope is that the review will take place over the entire summer rather than during the last few days before we return to school. Ideally, your child will be working on IXL a couple of times a week over the course of ten weeks. **All work should be completed between June 16th and August 31st. Work completed after this deadline, although great, WILL NOT be counted towards your grade.**

If you have any questions, please feel free to contact me:
Patricia.fothergill@ourladsacademy.org

Thank you for your support!

Patty Fothergill

Dear Students,

This summer for math practice I have listed the most important skills you need to start **Algebra 1**. These are some of the most important topics we covered this school year. You need to reach 90% on each of these skills OR spend five hours in total practicing – whichever comes first! This work will represent 50 points, half of a test grade. When you return in the fall, after a brief review of these skills, you will take a quiz on the material I listed. This September quiz will be worth 50 points, the other half of your test grade!

If you encounter an assigned skill that you don't remember how to do, use the problem solving techniques you learned in fifth grade: go back to your notes, on IXL choose "Learn by Example," or "Not Feeling Ready – Try these Skills First", ask a friend, or view tutorials on the topic at Khan Academy, Math Antics or Math is Fun.

If you complete the material in your grade level rather quickly and you want to keep working please either master all the skills or challenge yourself by finding the corresponding skill in the next grade level and attempt those problems!

If you have any questions, email me! My email is:
patricia.fothergill@ourladsacademy.org

Have a great summer!

Mrs. Fothergill

Below are the skills you should be working on this summer. All work is in the **8th** Grade tab. IXL often changes their Skill numbering during the summer, so instead of using A2 for example, I have used the permanent skill ID you should search to work on the skill.   This skill ID never changes.

NB7	Add and subtract three or more integers
MDA	Multiply and divide integers
Y6W	Evaluate numerical expressions involving integers
Z68	Add and subtract rational numbers
52P	Multiply and divide rational numbers
ZQC	Exponents with negative bases
L2J	Multiplication and division with exponents
UTY	Evaluate expressions using properties of exponents
JMG	Find what percent one number is of another
NYH	Percent of change
T6E	Coordinate plane review
K77	Quadrants and axes
VGE	Pythagorean theorem: find the perimeter
EQZ	Converse of the Pythagorean theorem: is it a right triangle?
HKM	Area between two shapes
JUB	Volume of cubes, prisms, and pyramids
ZT6	Surface area of cubes, prisms, and pyramids
T8K	Identify terms and coefficients
U7T	Multiply using the distributive property
QP7	Add and subtract like terms
JXD	Solve two-step equations
55K	Solve multi-step equations
Q2B	Solve equations involving like terms
BSF	Solve one-step inequalities
TMX	Graph solutions to one-step inequalities
WKY	Interpret stem-and-leaf plots
QZS	Identify an outlier and describe the effect of removing it
CSR	Identify representative, random, and biased samples
P5R	Compound events: find the number of outcomes
SAS	Probability of independent and dependent events