

To students entering 8<sup>th</sup> grade at Yorkville East Middle School,

Greetings! Next year will be an exciting and challenging year as you take 8<sup>th</sup> grade Math. The curriculum in math has been designed to prepare students to not only meet the rigor of the Common Core Standards and the Algebra I Regents Exam, but to also become critical thinkers capable of abstract reasoning.

Part I: IXL

Students will be completing IXL assignments over the summer. Please make sure you know your username and password for the summer. You will be responsible for logging each skill, the score you reached, and the time it took to complete it. **Your goal should be to get to 90% on every skill.** These are 8<sup>th</sup> grade skills that you learned in 6<sup>th</sup> and 7<sup>th</sup> grade. You will hand in your IXL log the first day of 8<sup>th</sup> grade. It is important for me to know which skills you struggled with so I can help you when you return to school. The IXL Log is on the next page.

Some of the important skills you need to have in order to be ready for 8<sup>th</sup> grade math include:

- Integer Rules with Addition, Subtraction, Multiplication & Division
- Understanding ratios and unit rates
- Writing, evaluating, and simplifying algebraic expressions
- Solving and writing two-step equations and
- Understanding exponents
- Percents

We hope you have a fun and safe summer. We look forward to meeting you in September! If you have any questions regarding this summer assignment, please contact Kris Mueller at [kmueller@ms177.org](mailto:kmueller@ms177.org). If you need an extra copy of the IXL Log, please visit our school's website.

Sincerely,

Mr. Mueller

[kmueller@ms177.org](mailto:kmueller@ms177.org)

Please write your IXL login information so that you do not forget it over the summer:

IXL Username: \_\_\_\_\_

IXL Password: \_\_\_\_\_

Name: \_\_\_\_\_ IXL Log Class: 8th Grade

Skill	Date	Score	Time Spent	How did it go? Difficulty Level?		
B1				Easy	Medium	Challenging
B3				Easy	Medium	Challenging
C1				Easy	Medium	Challenging
C3				Easy	Medium	Challenging
C6				Easy	Medium	Challenging
C7				Easy	Medium	Challenging
D2				Easy	Medium	Challenging
D3				Easy	Medium	Challenging
E4				Easy	Medium	Challenging
E7				Easy	Medium	Challenging
H2				Easy	Medium	Challenging
H3				Easy	Medium	Challenging
H10				Easy	Medium	Challenging
J6				Easy	Medium	Challenging
J7				Easy	Medium	Challenging
K2				Easy	Medium	Challenging
V2				Easy	Medium	Challenging
V3				Easy	Medium	Challenging
V4				Easy	Medium	Challenging
V5				Easy	Medium	Challenging
V13				Easy	Medium	Challenging
W1				Easy	Medium	Challenging
W2				Easy	Medium	Challenging
W8				Easy	Medium	Challenging

Please fill in this chart to keep track of your work over the summer. Please work on this

throughout the summer. Use scrap paper when needed! Do not use a calculator. Try your best! Let me know how you did by circling or highlighting the level of difficulty for each skill. **Every skill listed is from the 8<sup>th</sup> grade page on IXL.** You will hand this paper the first day of school.