

Dear Rising 8th Graders,

Below is your summer Math work. There are two sets of skills. The first you are expected to master over the summer. The second will assist you if you are struggling with the first. You are not required to master the 2nd set of skills, but if you need help, please use them.

Note: You will be using the **8th grade section** of IXL. Do not use a calculator.

Skill Set #1: Mastery Required (Smart Score of 100)

- **Integers:**
 - 8.B.4: Compare and Order Integers
 - 8.C.3: Add and Subtract Integers
 - 8.C.7: Multiply and Divide Integers
- **Rational Numbers:**
 - 8.D.8: Put Rational Numbers in Order
 - 8.E.2: Add and Subtract Rational Numbers
 - 8.E.3: Add and Subtract Rational Numbers-Word Problems
 - 8.E.5: Multiply and Divide Rational Numbers
 - 8.E.6: Multiply and Divide Rational Numbers-Word Problems
- **Exponents:**
 - 8.F.2: Evaluate Exponents

Skill Set #2: Assistance Skills

- **Integers:**
 - 8.C.1: Integer Addition and Subtraction Rules
 - 8.C.2: Add and Subtract Integers Using Counters
 - 8.C.6: Integer Multiplication and Division Rules
- **Rational Numbers:**
 - 8.D.1: Write Fractions in Lowest Terms
 - 8.D.2: Least Common Denominator
 - 8.D.4: Convert between Decimals and Fractions or Mixed Numbers
 - 8.D.6: Absolute Value of Rational Numbers
 - 8.D.7: Compare Rational Numbers
 - 8.E.1: Reciprocals and Multiplicative Inverses
- **Exponents:**
 - 8.F.1: Understanding Exponents

You should be ready to take an assessment the first week of school that will show your mastery of the skills above.

Enjoy your summer and see you in August!

The Middle School Math Team

Please turn in on the first day of school.

Parent Signature to verify that all the above work has been completed. Please check IXL.

Date: _____