

Algebra – Level 2

The summer work for Algebra consists of 25 IXL modules. You should have received your new IXL id and password. If you have lost or forgotten them, or are a new student, you can contact Mr. Olsen (molsen@thomastonschools.org) to get your login information. Make sure that you have logged on when you are working. IXL will log you out at the end of each day. Your teacher can see what you have done including, your smartscore, how many problems you have tried, how many you have gotten right and wrong, how long you've worked and on what day you worked. Your first summative grade of the year will come from your scores. Don't leave it to the last minute. It is a lengthy assignment that should be spread out throughout the summer. If you are having difficulty, remember, you can scroll down when you get one wrong, IXL will show you how it should have been done. Smartscores below 70 are not acceptable. Your goal is to get a 90 or better on each section. Any score above a 90 will be recorded as a 100 in the gradebook. Go to IXL.com. Then go to MATH. Then go to **8th Grade**. Here is the list of required modules

Number Theory

A.4 Prime Factorization

A.5 Greatest Common Factor

A.6 Least Common Multiple

Operations with Integers

C.3 Add and Subtract Integers

C.7 Multiply and Divide Integers

C.8 Evaluate Numerical Expressions Involving Integers

Rational Numbers

D.1 Write Fractions in Lowest Terms

D.3 Round Decimals and Mixed Numbers

D.4 Convert between Decimals and Fractions or Mixed Numbers

Operations with Rational Numbers

E.2 Add and Subtract Rational Numbers

E.5 Multiply and Divide Rational Numbers

E.9 Evaluate Expressions Involving Rational Numbers

Scientific Notation

G.1 Convert between Standard and Scientific Notation

G.2 Compare Numbers Written in Scientific Notation

Ratios and Proportions

H.10 Solve Proportions

Proportional Relationships

I.4 Find the Constant of Proportionality from a Graph

I.5 Write Equations for Proportional Relationships

Percent

J.4 Find What Percent One Number Is of Another: Word Problems

J.9 Solve Percent Equations

Coordinate Graphs

N.1 Coordinate Plane Review

Pythagorean Theorem

R.3 Pythagorean Theorem: Find the Perimeter

R.4 Pythagorean Theorem: Word Problems

Number Sequences

U.4 Number Sequences: Mixed Review

Variable Expressions

V.4 Write Variable Expressions: Word Problems
Systems of Linear Equations
AA.1 Is (x,y) a solution to the System of Equations