NORTH HAVEN HIGH SCHOOL

SUMMER MATH ASSIGNMENT

For students taking ALGEBRA 1 - Levels 2 and 3 in September 2016

STUDENTS WILL HAVE ACCESS TO IXL UNTIL AUGUST 21.

If you want to participate in IXL's Study in the Sun Summer Usage Challenge go to https://www.ixl.com/summer-contest to sign up.

All middle school students used the IXL website to practice a variety of math skills throughout the school year. Students will continue to have access to this website over the summer until August 21. Please see the second page of this document for a list of skills students taking Algebra I Level 2 or Level 3 should work on over the summer.

Students are expected to practice the assigned skills until they reach a smart score of 85 (for level 2) or a smart score of 90 (for level 3) or have worked a maximum of 30 minutes on each skill. (They have been asked to do this throughout the year so they should be familiar with where to find their score for each skill.) On August 22, the math department will run a report that shows the skills each student worked on and if they reached a smart score of 85 (level 2) or 90 (level 3). This report also shows how long it took students to reach that score and how many problems he/she had to solve in order to reach that score. This is all valuable information that teachers will use at the start of the year (in addition to other formal and informal assessments) to get to know a student's strengths and weaknesses. Even though all of the skills that have been assigned are listed on IXL under Algebra I, the skills were chosen because they were taught throughout the 8th grade and are prerequisite skills that are necessary to master in order to understand the material in the Algebra I course. Students may have already worked on some of the assigned skills throughout the year. If that is the case, they should begin from the smart score they already have. (i.e. A student may have a smart score of 64 from October and over the summer will practice this skill again starting at 64 until he/she reaches a smart score of 85 or 90.) If a student has reached 85 or 90 during the school year, he/she should try to reach a smart score of 100 to make sure that he/she has retained the skill from earlier in the year. If students have difficulty with any of the skills, the website will provide an explanation of how to do the problems. If a student is still having difficulty even after reading and working through the examples given on the website and has already spent 30 minutes or more on the skill, the student should move on to the next skill.

To access the website go to: www.ixl.com/signin/northhaven . Students will then be asked to enter their username and password. This is the same username and password that they have used throughout the year.

The mathematics department thanks you for your support and wishes you and your family a happy and restful summer!

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STUDENTS WILL HAVE ACCESS TO IXL UNTIL AUGUST 21.

Students are expected to practice the following skills until they reach a smart score of 85 or higher (level 2) or 90 or higher (level 3), or have worked a total of 30 minutes on each skill. You are welcome to practice other skills from this course or previous courses once you have finished this assignment. If you already have a smart score, begin where you are and continue practicing until you reach 85 or 90, or have worked on the skill for 30 minutes. If you reached 85 or 90 during the school year, you should try to reach 100 over the summer.

Keep track of your progress in the space below and bring this sheet to class on the first day of school. You may want to approach this assignment by practicing multiple skills for a few minutes each day throughout the summer until you reach your goal or you may want to practice one skill at a time and reach your goal before moving on to the next.

Level	Skill	Description	Date Completed	Score	Number of problems attempted	Time Practiced (# min)
8	E2	Add and subtract rational numbers				
8	E2	Multiply and divide rational numbers				
A1	B3	Evaluate variable expressions involving integers.				
A1	B7	Evaluate variable expressions involving rational numbers.				
A1	H2	Distributive property				
A1	I1	Write variable expressions.				
A1	J4	Solve two step linear equations.				
A1	J6	Solve linear equations with variables on both sides.				
A1	U1	Is (x,y) a solution to the system of equations?				
A1	S6	Slope-intercept form: graph an equation				

*All of the A1 skills can be found on the A1 tab (Algebra I) on IXL.