

Dear rising 8<sup>th</sup> Grade **Regular Algebra I** Students and Parents,

The math summer work for this year will be done on IXL using the app or the website [www.ixl.com](http://www.ixl.com). The student username is first initial last name (all lower case) @charlestownday. The password is cdscls.

I have chosen 20 objectives from 7<sup>th</sup> grade. These are all skills that each student must have mastered before entering Algebra I. To complete an objective, a student must achieve a Smart Score of 90. Some may take 10 minutes or less to complete, while others may take 30 minutes or more.

Students should expect to use paper and pencil while working on the objectives. Working slowly and carefully is the quickest way to master an objective. Rushing and making careless errors actually makes the process take longer.

If a student is struggling to complete an objective, they should seek help. Missing many problems in a row just makes it harder to reach a 90 Smart Score. IXL explains to a student what they did wrong each time they miss a problem. Students can also use [www.khanacademy.com](http://www.khanacademy.com) for explanations of skills. If a student does not know how to complete these skills, then they are not ready for Algebra I. Further tutoring may be necessary.

Sometimes IXL updates their site during the summer. This can cause the objective numbers and titles to shift. If an objective number no longer lines up with its title, THE TITLE IS MORE IMPORTANT THAN THE NUMBER. If you notice that there has been a shift, please send an email to [laurin.shealy@charlestownday.org](mailto:laurin.shealy@charlestownday.org) and I will update the list below.

The following are the math summer objectives from the 7<sup>th</sup> grade section of IXL:

- A.1 prime or composite
- B.7 integer inequalities with absolute value
- C.5 add 3 or more integers
- C.16 multiply integers
- C.24 evaluate expressions involving integers
- D.1 decimal numbers review
- D.4 round decimals
- F.2 equivalent fractions
- F.3 fractions in lowest terms
- G.2 add and subtract fractions word problems
- G.9 multiply fractions
- H.1 convert fractions to decimals
- H.2 convert decimals to fractions
- I.7 evaluate expressions involving exponents (Use paper. Use order of operations and integer rules.)
- R.4 evaluate linear expressions (Use paper. Use order of operations and integer rules.)
- S.1 which x satisfies equation
- S.6 solve 2-step equations (Work slowly on paper.)
- T.5 graph solutions to one-step inequalities (If you multiply/divide by a negative, change the direction of the inequality sign.)
- U.5 complete a table for a two-variable relationship
- AA.1 perimeter

According to the CDS handbook, students will face academic and disciplinary consequences if the work is incomplete. By completing this assignment, you show responsibility for being prepared for Algebra I.

Thank you,  
Laurin Shealy