

Dear Rising 8<sup>TH</sup> Grade Accelerated 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) @charlestoday. The password is the student's "P" number that they use to check out books.

I have chosen 20 objectives, some from 7<sup>th</sup> grade and some from 8<sup>th</sup> grade. These are all skills that each student must have mastered before entering Accelerated 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.

IXL Math Objectives for Rising Accelerated Algebra 1 Students:

From 7<sup>th</sup> Grade Math Menu:

1. C.20 Evaluate with integers
2. E.8 All operations with decimals word problems
3. E.11 Evaluate with decimals
4. G.16 Word problems with fractions
5. G.18 Evaluate with fractions
6. H.10 Add/Subtract rational numbers
7. H.15 Multiply and divide with rational numbers
8. I.9 Evaluate expressions with exponents
9. L.10 Percent word problems
10. L.2 Convert between percents, fractions, and decimals

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From 8<sup>th</sup> Grade Math Menu:

11. V.8 Evaluate radical expressions
12. V.16 Add/Subtract linear expressions
13. W.11 Solve equations
14. X.8 Solve multi-step inequalities
15. Y.2 Finding slope from 2 points
16. Y.7 Write a linear equation
17. Y.11 Slope-intercept form
18. BB.4 Add/Subtract polynomials
19. BB.8 Multiply and Divide monomials
20. BB.9 Powers of monomials

According the CDS handbook, students will face academic and disciplinary consequences if the work is incomplete. By completing this summer assignment, you demonstrate your responsibility for being prepared for Accelerated Algebra 1.

Thank you,

Debbie Held