

Dear Rising 8TH 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. The student username is first initial last name (all lower case) @charlestonday. The password is cdscls.

I have chosen 20 objectives, some from 7th grade and some from 8th 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 to complete, while others may take 30 minutes.

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 for explanations of skills.

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 debbie.held@charlestonday.org and I will update the list below.

From IXL **7th Grade** Math Menu:

1. C.24 Evaluate expressions involving integers
2. E.8 All operations with decimals word problems
3. E.11 Evaluate expressions involving decimals
4. G.16 Word problems with fractions and mixed numbers
5. G.18 Evaluate expressions involving fractions
6. H.11 Add and subtract rational numbers
7. H.17 Multiply and divide rational numbers
8. I.7 Evaluate expressions involving exponents
9. L.10 Percent of change word problems
10. L.2 Convert between percents, fractions, and decimals

From IXL **8th Grade** Math Menu:

11. V.8 Evaluate radical expressions
12. V.16 Add and subtract linear expressions
13. W.11 Solve equations with variables on both sides
14. X.8 Solve multi-step inequalities
15. Y.2 Find slope from 2 points
16. Y.8 Write a linear equation from slope and y-intercept
17. Y.12 Convert to slope-intercept form
18. BB.4 Add and subtract polynomials
19. BB.8 Multiply and divide monomials
20. BB.9 Powers of monomials

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 Accelerated Algebra 1.

Thank you,
Debbie Held