

Dear rising 8th Grade 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 the student's "P" number that they use to check out books.

I have chosen 20 objectives from 7th 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 from an adult. 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. If a student does not know how to complete these skills, then they are not ready for Algebra I. Further tutoring may be necessary.

IXL Math Objectives for Rising 8th Graders in Regular Algebra I (all from 7th grade section of IXL):

- A1 prime or composite
- B5 ordering integers
- C9 add/subtract integers
- C13 multiply integers
- C20 expressions with integers
- D1 decimal review
- D4 rounding decimals
- F2 equivalent fractions
- F3 fractions in lowest terms
- G2 fraction word problems
- G9 multiply fractions
- H1 fractions to decimals
- H2 decimals to fractions
- I9 expressions with exponents (Use paper. Use order of operations and integer rules.)
- R4 evaluate expressions (Use paper. Use order of operations and integer rules.)

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S1 which x satisfies equation

S6 2-step equations (Work slowly on paper.)

T5 solve and graph inequality (If you multiply/divide by a negative, change the direction of the inequality sign.)

U5: complete a table

AA1: perimeter

According to 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 Algebra I.

Thank you,

Laurin Shealy