

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) @charlestownday. For most students, the password is the “p” number they use to check out books.

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 the site during the summer. This can cause the objective numbers and titles to shift. If an objective number (in front) no longer lines up with its title, use the shortcut search, as that number never changes. Also, the title is more important than the objective number in front.

7th Grade Objective	Title	Shortcut Search
C.25	Evaluate expressions involving integers	7YN
E.8	All operations with decimals word problems	TGN
E.11	Evaluate expressions involving decimals	FNM
G.16	Word problems with fractions and mixed numbers	KR7
G.18	Evaluate expressions involving fractions	XXQ
H.11	Add and subtract rational numbers	GKU
H.17	Multiply and divide rational numbers	BXW
I.7	Evaluate expressions involving exponents	D7P
L.2	Convert between percents, fractions, decimals	2HW
L.11	Percent of change word problems	54S

8th Grade Objective	Title	Shortcut Search
X.8	Evaluate radical expressions	D&J
X.16	Add and subtract linear expressions	QCY
Y.12	Solve equations with variables on both sides	ZYL
Z.8	Solve multi-step inequalities	6AZ
AA.2	Find slope from 2 points	ZAC
AA.8	Linear equation from slope and y-intercept	WHP
AA.12	Convert to slope-intercept form	NKM
DD.4	Add and subtract polynomials	W75
DD.8	Multiply and divide monomials	85P
DD.9	Powers of monomials	2CU

According 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 I.

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