

Dear rising 8th grade students and parents, (**Accelerated** Algebra I)

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. For most students, their password is the “p” number that they use to check out books.

We have chosen 20 objectives, some from the 7th grade section and some from the 8th grade section. These are all skills that each student must have mastered before entering 8th grade math. 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 most of 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.

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	expressions involving integers	7YN
E.9	operations with decimals word problems	TGN
E.12	expressions involving decimals	FNM
G.16	word problems fractions/mixed numbers	KR7
G.18	expressions involving fractions	XXQ
H.12	add and subtract rational numbers	GKU
H.18	multiply and divide rational numbers	BXW
I.7	expressions involving exponents	D7P
L.2	percents, fractions, decimals	2HW
L.11	percent of change word problems	54S

8th Grade Objective	Title	Shortcut Search
X.8	evaluate radical expressions	D8J
X.16	add/subtract linear expressions	QCY
Y.12	equations with variables on both sides	ZYL
Z.8	multi-step inequalities	6AZ
AA.2	slope from 2 points	ZAC
AA.8	equation from slope and y-intercept	WHP
AA.12	convert to slope-intercept form	NKM
DD.4	add/subtract polynomials	W75
DD.8	multiply/divide monomials	85P
DD.9	powers of monomials	2CU

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 eighth grade.

Thank you,
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