

CHARLESTON DAY SCHOOL
Summer Math Work

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) @charlestownday. For most students, their password is the “p” number that they use to check out books. For help with passwords, please e-mail laurin.shealy@charlestownday.org.

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.

7th Grade Title	Shortcut Search
expressions involving integers	7YN
operations with decimals word problems	TGN
expressions involving decimals	FNM
word problems fractions/mixed numbers	KR7
expressions involving fractions	XXQ
add and subtract rational numbers	GKU
multiply and divide rational numbers	BXW
expressions involving exponents	D7P
percents, fractions, decimals	2HW
percent of change word problems	54S

8th Grade Title	Shortcut Search
evaluate radical expressions	D8J
add/subtract linear expressions	QCY
equations with variables on both sides	ZYL
multi-step inequalities	6AZ
slope from 2 points	ZAC
equation from slope and y-intercept	WHP
convert to slope-intercept form	NKM
add/subtract polynomials	W75
multiply/divide monomials	85P
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,
Rebeca Graboyes (rebeca.graboyes@charlestownday.org)