

Dear rising 7th grade 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 their “p” number.

We have chosen 20 objectives from the 6th grade math section. These are all skills that each student must have mastered before entering Pre-algebra. 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 Pre-algebra. Further tutoring may be necessary.

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 laurin.shealy@charlestonday.org, and I will update the list below.

The following are the math summer objectives from the 6th grade section of IXL:

1. E.8 GCF
2. E.10 LCM
3. F3 word names for decimals
4. G.1 add/subtract decimals
5. J.3 add/subtract fractions unlike denominators
6. K.6 multiply two fractions
7. L.5 divide fractions
8. N.10 add 3 or more integers
9. N.12 multiply integers
10. O.3 evaluate numerical expressions with whole numbers
11. O.11 $+ - \times \div$ integers
12. R.17 solve the proportion
13. S.4 convert between percents, fractions, decimals
14. X.1 objects on coordinate plane
15. Y.13 multiply using the distributive property
16. Z.2 which x satisfies an equation
17. AA.2 graph inequalities on number lines
18. AA4 solve one-step inequalities
19. CC9 find missing angles in triangles
20. FF16 perimeter and area of two figures

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 Pre-algebra.

Thank you,
Debbie Held and Laurin Shealy