

Dear rising 6<sup>th</sup> 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](http://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.

We have chosen 20 objectives from the 4<sup>th</sup> and 5<sup>th</sup> 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](http://www.khanacademy.com) for explanations of skills. If a student does not know how to complete these skills, then they are not ready for sixth grade math. Further tutoring may be necessary.

The following are the summer assignments for rising 6<sup>th</sup> grade students:

1. 6 - F. 6 Rounding Decimals
2. 5- I. 2 Multiply Decimals by power of 10
3. 6- F.4 Put decimals in order
4. 6- F. 5 Inequalities with decimals
5. 6- H. 7 Division with Decimals quotients
6. 6- O. 4 Add, subtract, multiply or divide 2 decimals
7. **5- O. 8 Add, subtract, multiply and divide decimal word problems**
8. 5- G. 12 Fractions to decimals
9. 5- G. 14 Decimals to fractions
10. 6- J. 6 Add & Subtract mixed numbers
11. **6- K. 13 Multiply Mixed numbers**
12. 5-O. 7 All add, subtract, multiply and divide fractions
13. 6- J. 6 Add & Subtract mixed numbers **(This is a repeat of #10 so you only have 19 objectives!)**
14. 5- R.4 Percent of a number word problems
15. 5- Q. 1 Ratios
16. 5- Q. 2 Ratio word problems
17. 5- BB. 1 Acute, Obtuse & right triangles
18. 5- BB. 2 Isosceles, scalene and equilateral triangles
19. 5- BB. 3 Classify Triangles
20. **5- BB. 10 Quadrilaterals**

According to the CDS handbook, students will face academic and disciplinary consequences if the work is incomplete. By completing this summer assignment, your student demonstrates his/her responsibility for being prepared for sixth grade.

Thank you!