

Dear rising 6th 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 the student's "P" number that they use to check out books.

We have chosen 20 objectives from the 5th grade math section. These are all skills that each student must have mastered before entering 6th 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 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 debbie.held@charlestonday.org and I will update the list below.

IXL objectives from 5th grade math section:

- A.8 rounding
- C.23 multiplication input/output tables
- D.1 division facts to 12
- F.3 prime factorization
- G.8 round decimals
- G.13 put decimal numbers in order
- G.15 fractions to decimals
- G.17 decimals to fractions
- L.8 add fractions unlike denominators
- M.20 multiply two fractions
- O.1 $+ -x \div$ whole numbers
- O.6 numerical expressions with parentheses
- O.11 $+ -x \div$ decimals
- Q.2 convert between fractions, decimals, percents
- T.3 graph points on a coordinate plane
- AA.3 classify triangles
- AA.9 classify quadrilaterals
- DD.1 perimeter with whole numbers
- DD.5 area of squares and rectangles
- DD.7 area of triangles

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 sixth grade.

Thank you,
Debbie Held