

CHARLESTON DAY SCHOOL
Summer Math Work

Dear Rising 7th grade Students and Parents, (Accelerated Pre-Algebra)

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 aurin.shealy@charlestownday.org.

We have chosen 20 objectives from the 6th-grade math section. These are all skills that each student must have mastered before entering 7th-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.

| <u>Title</u> | <u>Shortcut Search</u> |
|--|------------------------|
| GCF | AMB |
| LCM | NGA |
| round decimals | XJX |
| multiply/divide decimals by powers of 10 | KNH |
| improper fractions/mixed numbers | P9A |
| add 3 or more integers | F2N |
| solve expressions with whole numbers | MLU |
| add/subtract/multiply/divide decimals | P6W |
| add/subtract/multiply/divide fractions | 2VR |
| add/subtract/multiply/divide integers | VMW |
| evaluate expressions with integers | K6R |
| solve the proportion | 7H5 |
| percents, fractions, decimals | ZAV |
| evaluate variable expressions | 49T |
| solve one-step equations | WLR |
| one-step +- equations (fractions/decimals) | 5D2 |
| one-step x/ equations (fractions/decimals) | T53 |
| one-step equations (integers) | 7JV |
| perimeter | SEM |
| area of rectangles and squares | BE9 |

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 seventh grade.

Thank you,

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