



HELEN KELLER MIDDLE SCHOOL



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Dear HKMS Parents and Students,

We hope that you had a great school year! We look forward to working with each of you next year. The *IXL Summer Boost* for summer work includes skills carefully picked by your future math teacher that are essential to success in the upcoming school year. The skills reviewed in the *IXL Summer Boost* are concepts that you have been taught and practiced throughout this past school year. The purpose of the summer work is to help keep your skills sharp and prevent "summer fade".

The total time it takes for students to complete this summer work will vary by student. You want to go at a pace that is comfortable for you with the goal of practicing and refreshing concepts to be prepared for the upcoming school year. IXL has given a suggested pacing guide which can be found, along with the skill sets, in the links below.

How to Log In:

Students can log into IXL using this link: <https://www.ixl.com/signin/eastonreddingregion9sd>. When they arrive at the site, they will see a "Sign in with Clever" icon. Students should click this link to access IXL. Once logged in, their account should display a welcome message saying, "Welcome - [their name]." Once signed in, students are encouraged to bookmark this page.



A few notes about summer work expectations:

- Students should not use calculators to solve problems but may use calculators to check their answers.
- Students are encouraged to work to the suggested SmartScore listed in the table below.
- **If you are struggling with a particular skill set, you may find it helpful to watch the video and/or read through the worked-out examples provided in IXL. If you continue to struggle after 15 problems or 30 minutes, please leave this skill set and move on to another one. Should you reach one of those limits, you will not be penalized for not reaching the suggested SmartScore.**
- In addition to the summer work, it would also be beneficial to continue to practice math facts. This can be done by playing math fact fluency games online ([IXL](#), [Kakooma](#) or [Amplify](#)), using [flashcards](#), or completing [practice worksheets](#). Also if you are interested, you can click the link to learn more about [The Commissioner's Summer Math Challenge 2024](#).

If you have any difficulty accessing the *IXL Summer Boost*, please contact the school's main office. Math teachers will review each student's work during the first week of school.

Have a great summer!

The HKMS Math Department

Entering Course	Goal	Additional Notes
Math 6 & Math 6 Plus	SmartScore of a 80 on each skill set	Looking for a challenge? Try and push your SmartScore beyond a 80!
Math 7	SmartScore of a 80 on each skill set	Looking for a challenge? Try and push your SmartScore beyond a 80!
Math 7/8 Compacted	SmartScore of a 80 on each skill set	Additional Skill Sets: - Integer addition and subtraction rules - Add and subtract integers - Percent of change - Percent of a number: tax, discount, and more
Math 8	SmartScore of a 80 on each skill set	Looking for a challenge? Try and push your SmartScore beyond a 80!
Grade 8 Core Algebra	SmartScore of a 80 on each skill set	Additional Skill Sets: - Pythagorean theorem: find the missing leg or hypotenuse length - Estimate positive and negative square roots - Identify rational and irrational numbers - Solve equations: mixed review - Describe transformations - Side lengths and angle measures of congruent figures