

Dear New 8th Grade Families,



As we head into summer, I want to thank students for all their hard work this year, and parents for the many hours you spent supporting your child's progress. This summer to keep their math skills fresh the students will be completing a daily IXL skill for five of the ten weeks of summer (allowing for Fridays and weekends off). This should be a good review of the important concepts we focused on in class this year, without being a burden on their relaxation and free time. It is encouraged that the students work on their skills regularly throughout the summer and not in one lump sum. The provided schedule is flexible enough to allow students time for vacations and summer camps, but daily practice is really what reduces the "summer slide". By following the suggested schedule key concepts are spiraled throughout the summer, so they aren't practiced once in June and then forgotten by August.

Below, you will find the timeline along with details regarding the specific skills, due date, as well as grading and assessment. Please let me know if you have any questions.

Due Date: Friday, August 15, 2025

IXL Website- <http://www.ixl.com/>

Students should access IXL account using the same username and password that they used during the school year. If you have any questions regarding logging into your IXL account, please email it@myoll.com

Requirements:

- Work must be completed during the date range of **May 28 – August 15**. Therefore, **if a particular skill was already completed prior to this date range, the skill must be re-done during this date range.**
- Students should not use calculators since the purpose of this homework is to practice the skills, and calculators will not be allowed on assessments at school.

Grading:

- Each IXL skill listed must have a score of at least 80%. A score of 80% will be entered as 100%, but true scores will be recorded below 80%. (80=100, 79=79, 78=78, etc.)
- Scores will be averaged and will **count as a single formative grade.**

A note on how to access the skills:

IXL does periodic updates over the summer, and they change the codes that they typically use to access the skills. That is why for summer work we provide three-character code at the end of each skill below because it is not affected by these updates. Students can access the skill by simply typing the three-character code into the search bar at the top of IXL. They should make sure that the skill name matches the one that comes up so they can ensure they are doing the correct practice.

Suggested Timeline & Checklist: Advanced 8th Grade (7th & 8th Grade IXL Skills)

Week 1

- _____ Evaluate numerical expressions involving integers (7YN)
- _____ Add and subtract rational numbers (GKU)
- _____ Evaluate Exponents (ZDS)
- _____ Evaluate linear expressions (UG6)



Week 2

- _____ Solve proportions (TDA)
- _____ Multiply and divide rational numbers (BXW)
- _____ Exponents with negative bases (WFW)
- _____ Simplifying expression by combining like terms (JJG)

Week 3

- _____ Percents of numbers and money amounts (93K)
- _____ Multiply using the distributive property (NUY)
- _____ Solve two-step equations (QEB)
- _____ Choose two-step equations: word problems (8NH)

Week 4

- _____ Solve two-step inequalities (XGQ)
- _____ Graph solutions to two-step inequalities (6TT)
- _____ Square roots of perfect squares (WRT)
- _____ Estimate square roots (AU2)

Week 5

- _____ Unit rates (2NB)
- _____ Solve multi-step equations (55K)
- _____ Write an equation from words (N2T)
- _____ Find the number of solutions (XDE)

- Students are welcomed (and encouraged) to practice any other math skills not listed.