

Dear New 6th 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: 6th Grade Advanced Math (5th Grade IXL Skills)

Week 1

- _____ Multiplying 2-digit numbers by 3-digit numbers (JHB)
- _____ Divide 4-digit numbers by 2-digit numbers (35K)
- _____ Place values in decimal numbers (X8U)
- _____ Write fractions in lowest terms (A76)

Week 2

- _____ Add and subtract decimal numbers (7VJ)
- _____ Multiply two decimals: products up to the thousandths (TDG)
- _____ Convert between improper fractions and mixed numbers (B7X)
- _____ Add mixed numbers with unlike denominators (FHD)

Week 3

- _____ Add, subtract, multiply and divide whole numbers: word problems (SNZ)
- _____ Subtract mixed numbers with unlike denominators (FAA)
- _____ Divide by decimals without adding zeros (RTS)
- _____ Reciprocals (T9G)

Week 4

- _____ Add, subtract, multiply and divide decimals (NZG)
- _____ Multiply a mixed number by a fraction (G7W)
- _____ Area of squares and rectangles (E6B)
- _____ Equivalent decimals (C2X)

Week 5

- _____ Add, subtract, multiply and divide fractions and mixed numbers (VFX)
- _____ Multi-step word problems (Z76)
- _____ Evaluate numerical expressions with parentheses (HGW)
- _____ Evaluate variable expressions (CTJ)

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

- All students should be FLUENT in all multiplication and division facts 0-12. Parents, please check for deficient facts at the beginning of the summer, so students can work on those and be ready by August.