

Summer Math Skill Maintenance

Math 6 → Math 7 or 7C

Good Summer Resources

- **IXL:** Student accounts will expire at the end of June. Math practice for all grade levels.
- **Khan Academy:** Always free. Math videos and practice for all grade levels.
- **CoreFocus** (our online textbook)
 - www.corefocusonmath.com; username: lakeo; password: math
 - Digital textbooks, videos, powerpoints, and worksheets available.
 - Students can access Math 7 (Stage 2) & Math 7C (Stage 2 and first two books of Stage 3)

Suggested Summer Maintenance

Rates, Ratios, & Percentages

Khan Academy: <https://www.khanacademy.org/math/cc-sixth-grade-math>

- Ratios, Rates, & Percentages (9 topics)

IXL (accounts likely expire 6/30): <https://www.ixl.com/math/grade-6>

- 6th Grade R.1 through R.11
- 6th Grade S.1 through S.10

Negative Numbers

Khan Academy: <https://www.khanacademy.org/math/cc-sixth-grade-math>

- Negative Numbers (7 topics)
 - Highly recommended! Both Math 7 and 7C dive deeper into negative numbers towards the beginning of the school year.

IXL (accounts likely expire 6/30): <https://www.ixl.com/math/grade-6>

- 6th Grade M1 through M9 (review)
- 6th Grade N1 through N11 (great preview for the start of 7th grade math)

Algebraic Thinking

Khan Academy: <https://www.khanacademy.org/math/cc-sixth-grade-math>

- Variables & Expressions (9 topics)
- Equations & Inequalities introduction (8 topics)

IXL (accounts likely expire 6/30): <https://www.ixl.com/math/grade-6>

- 6th Grade Y.1 through Y.6 & Y.11
- 6th Grade Z.1 through Z.11
- 6th Grade AA.1 through AA.3

Geometry

Khan Academy: <https://www.khanacademy.org/math/cc-sixth-grade-math>

- Geometry (7 topics)

IXL (accounts likely expire 6/30): <https://www.ixl.com/math/grade-6>

- 6th Grade FF.1 through FF. 3, FF.5 through FF.8, & FF.14 to FF.18

Data, Stats, & Probability

Khan Academy: <https://www.khanacademy.org/math/cc-sixth-grade-math>

- Data & Stats (10 topics)
 - This is the unit that got cut short by our strange school year. These topics will be reviewed in both Math 7 and 7C though.

IXL (accounts likely expire 6/30): <https://www.ixl.com/math/grade-6>

- 6th Grade GG.3, GG.11, & GG.20
- 6th Grade HH.2 & HH.3
- 6th Grade II.2 through II.5

IXL Diagnostic Arena

During the last week of distance learning students participated in the Diagnostic Arena in IXL. It attempts to determine students' overall math grade level and also rates their understanding on general topics (e.g., Measurement, Algebra, Fractions, Geometry, etc...). In addition, the report generated from the Diagnostic Arena also suggests certain skills students can practice in IXL. Students can show you their report by logging into IXL and clicking on the Diagnostic tab within the website.

- If your student has no report or scores, that means they did not participate. However, they still can until the IXL accounts expire.
- If your student has a score range (e.g., 600 to 680), that means they need to answer more questions before the program can give them an exact rating.
- If your student has a specific score (e.g., 750), that means the program had enough data to rate their level.
 - FYI: scores in the 500s equate to a 5th grade level, scores in the 600s equate to a 6th grade level, scores in the 700s equate to a 7th grade level, etc...
 - Also, please keep in mind the ratings may be incorrect for a multitude of reasons (e.g., more data needed, lack of effort, etc...)

Below is a link to a Quick Start Guide from IXL that explains in more detail how to access the Arena, answer questions, and view/interpret the report.

- [LINK TO QUICK START GUIDE](#)

I'm hoping families will access the report and use it to inform their math maintenance plans over the summer.

As always, please reach out if you have questions or need help. It's been a joy teaching your students this entire year, and I wish I could teach them again next year.

Best,

Alex Hart