



Dear Parents,

Throughout the summer, your student is being asked to continue developing core knowledge of overall math concepts. In order to have their brains in tip top shape and prepared for eighth grade, students are being asked to complete the IXL Summer Boost program.

The Summer Boost program is a 20 day program, with 1 skill to be completed per day. The days can be consecutive or can take place over a multitude of days. Please choose a method convenient for your family and that also ensures all skills are completed. Students will need to complete each skill with an 80% or higher smart score. This must be completed by the first day of school, **August 7, 2024. Upon returning to school in August, this will count as a 20 point quiz grade in Math.**

To access the program, students will need to login to their IXL using the following link:

<https://www.ixl.com/math/skill-plans/ixl-summer-boost-grade-8>

A skills list is located on the back of this page.

Enjoy your summer!

Middle School Math Team

IXL Summer Boost Rising Eighth Graders Skills

<https://www.ixl.com/math/skill-plans/ixl-summer-boost-grade-8>

Day 1: Convert between decimals and fractions or mixed numbers

Day 2: Identify proportional relationships from tables

Day 3: Multiply using the distributive property

Day 4: Area of compound figures with triangles

Day 5: Add and subtract positive and negative fractions

Day 6: Complete multiplication and division equations with integers

Day 7: Write and solve equations proportional relationships

Day 8: Add and subtract linear expressions

Day 9: Circles: word problems

Day 10: Solve 2-step equations

Day 11: Evaluate numerical expressions involving integers

Day 12: Complete a table for a 2-variable relationship

Day 13: Factors of linear expressions

Day 14: Find measures of complementary, supplementary, vertical and adjacent angles

Day 15: Interpret charts and graphs to find mean, median, mode, and range

Day 16: Identify equivalent linear expressions

Day 17: Write equations for proportional relationships from graphs

Day 18: Solve 2-step inequalities

Day 19: Triangle inequality

Day 20: Experimental probability