



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 algebra, 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-algebra-1>

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

Enjoy your summer!

Middle School Math Team

IXL Summer Boost Rising Algebra Skills

<https://www.ixl.com/math/skill-plans/ixl-summer-boost-algebra-1>

Day 1: Convert between repeating decimals and fractions

Day 2: Multiply numbers written in scientific notation

Day 3: Pythagorean theorem: find the missing leg or hypotenuse length

Day 4: Estimate positive and negative square roots

Day 5: Identify linear and nonlinear functions: graphs and equations

Day 6: Identify rational and irrational numbers

Day 7: Solve equations: mixed review

Day 8: Identify equivalent expressions involving exponents

Day 9: Solve one-step and two-step equations - word problems

Day 10: Outliers in scatter plots

Day 11: Graph a line from an equation in slope-intercept form

Day 12: Solve equations using square roots

Day 13: Write linear equations from a slope and a point

Day 14: Solve a system of equations using any method

Day 15: Write a linear equation from a table

Day 16: Identify functions

Day 17: Compare linear functions: graphs and equations

Day 18: Find the distance between two points

Day 19: Solve a system of equations by graphing - word problems

Day 20: Make predictions with scatter plots