

Algebra and Algebra Advanced 2023-2024

Dear Parents,

This summer, the math department is requiring 85% mastery on the skills listed below. It will be a major grade for her first Math MOD.

For summer work, returning students need to log in using Clever. Clever allows our students to have access to all accounts using one sign-in. New students can continue to sign in using the username and password provided during the diagnostic until their Clever accounts for the 23-24 year have been activated. If the student is not logged in, their work will not be saved. This will keep track of their progress throughout the summer. The skills are found under "Eighth Grade" on IXL.

Sometimes, IXL updates to their website over the summer. If there is a discrepancy with the numbers not matching the skills, please make sure your daughter completes the skill description below.

Also, for next year, please do not purchase a calculator at this time. We will discuss the appropriate calculator to purchase on Back-to-School night.

Lessons:

- Y6W Evaluate numerical expressions involving integers
- 89R Absolute value of rational numbers
- 609 Multiply and divide rational numbers: word problems
- 5E3 Evaluate numerical expressions involving rational numbers
- EYR Evaluate exponents
- 9RS Square Roots of Perfect Squares
- 8W2 Relationship between squares and square roots
- NNA Solve equations using square roots
- H8A Convert between standard and scientific notation
- JNT Percent of numbers: Word problems
- UAN Solve percent equations
- NYH Percent of change: Word problems
- T6E Coordinate plane review
- K77 Quadrants and axis
- U7T Multiplying using distributive property

- QCY Add, Subtract, and multiply linear expressions
- 5J4 Solve one-step equations
- JXD Solve two-step equations
- 55K Solve multi-step equations
- Q2B Solve equations involving like terms
- ZAC Find the slope from two points
- FSV Graph a line using slope
- W75 Add and Subtract Polynomials
- JB7 Multiply polynomials (F O I L is included here)

These are the important skills for the beginning of Algebra.

If your daughter completes the requirements above, she may move ahead and work on other math skills in level 8 on IXL.

Thank you,

Middle School Math Department Duchesne Academy of the Sacred Heart