

# 2024 Summer Math Recommendations for Students Entering 8<sup>th</sup> Grade



- Learning and revisiting these skills and math concepts will help you move through the 8th grade curriculum more smoothly. All of these topics will be seen again in your 8th grade math course.
  - Integer Operations
  - Simplifying Expressions
  - One-Step Equations, Two-Step Equations, and Multi-Step Equations
  - Equations with Variables on both sides
  - Writing and Graphing Inequalities
  - One-Step Inequalities, Two-Step Inequalities, and Multi-Step Inequalities
- These topics, and others, can be reviewed and relearned through your Freckle and Aleks accounts and the many videos listed below which were created by Mr. Ferraro.

## **Educreation Video Tutorial Links taught by Mr. Ferraro**

Adding and Subtracting Integers #1: <https://www.educreations.com/lesson/view/adding-and-subtracting-integers/9923666/>

Adding and Subtracting Integers #2: <https://www.educreations.com/lesson/view/adding-and-subtracting-integers-2/9924550/>

Multiplying and Dividing Integers: <https://www.educreations.com/lesson/view/multiplying-and-dividing-integers/9974516/>

Simplifying Expressions #1: <https://www.educreations.com/lesson/view/simplifying-expressions-combining-like-terms/10214538/>

Simplifying Expressions #2: <https://www.educreations.com/lesson/view/simplifying-expressions-combining-like-terms/10227468/>

One-Step Equations: <https://www.educreations.com/lesson/view/one-step-equations/10215013/>

Two-Step Equations #1: <https://www.educreations.com/lesson/view/two-step-equations/2633911/>

Two-Step Equations #2: <https://www.educreations.com/lesson/view/two-step-equations/2311947/>

Multi-Step Equations: <https://www.educreations.com/lesson/view/multi-step-equations/2634404/>

Multi-Step Equations w/ Distributive Property: <https://www.educreations.com/lesson/view/multi-step-equations-w-the-distributive-property/2636178/>

Multi-Step Equations w/ Clearing Fractions: <https://www.educreations.com/lesson/view/multi-step-equations-using-the-lcd-clearing-method/2636533/>

Equations with Variables on Both Sides #1: <https://www.educreations.com/lesson/view/variables-on-both-sides-of-the-equation/2636960/>

Equations with Variables on Both Sides #2: <https://www.educreations.com/lesson/view/solving-equations-with-variables-on-both-sides/2519223/>

Writing and Graphing Inequalities: <https://www.educreations.com/lesson/view/graphing-inequalities/2672625/>

One-Step Inequalities Adding & Subtracting #1: <https://www.educreations.com/lesson/view/adding-and-subtracting-inequalities/10777967/>

One-Step Inequalities Adding & Subtracting #2: <https://www.educreations.com/lesson/view/adding-and-subtracting-one-step-inequalities/11207875/>

One-Step Inequalities Multiplying & Dividing: <https://www.educreations.com/lesson/view/multiplying-and-dividing-inequalities/10778433/>

Two-Step Inequalities: <https://www.educreations.com/lesson/view/two-step-inequalities/2396577/>

Multi-Step Inequalities: <https://www.educreations.com/lesson/view/two-step-and-multi-step-inequalities/10778771/>

Additional Resources which are highly encouraged that reinforce important mathematical skills including basic number computations are included below:

- XtraMath - <https://xtramath.org/#/home/index>
- FactDash - <https://www.mhschool.com/math/2009/ca/assets/factdash.html>
- MathAntics - <https://mathantics.com>
- Khan Academy - <https://www.khanacademy.org>
- Aleks - <https://www.aleks.com>