



Rising Math 8 Summer Math Review:

All rising 8th grade students who will be taking Math 8 will complete **two items** for summer work this year: a **Summer Math Journal** AND a **Math Poster**.

Details for both assignments are below. Both assignments will be **due on Tuesday, August 27th**. Students will receive credit for their work in Trimester 1.

1) Summer Math Journal

- All Students should purchase the "[Everything You Need to Ace Pre-Algebra and Algebra 1 in One Big Fat Notebook](#)," to complete practice work. Many students already have this book as a resource in 6th grade.
- Journals will be prepared at home this summer using chapters from this book:
 - You will use either a One Subject Notebook OR Composition Notebook (your choice) to keep track of your work as you complete the following skills.
 - **Label each section in your notebook with the chapter number and title.**
Example: Chapter 2: Positive and Negative Numbers
 - Even though answers are provided to make sure you've completed the work correctly, you should show all of your work.
 - Feel free to add any notes, drawings, or other helpful tools, as needed. This journal will be an excellent tool at the start of the year.

"Everything You Need to Ace Pre-Algebra and Algebra 1 in One Big Fat Notebook"

| Chapter # | Title | Check Your Knowledge |
|------------------|--|-----------------------------|
| 3 | Order of Operations | Page 21, #1-10 |
| 4 | Adding Positive and Negative Whole Numbers | Page 30-31, #1-10 |
| 5 | Subtracting Positive and Negative Whole Numbers | Page #35, #1-10 |
| 6 | Multiplying and Dividing Positive and Negative Whole Numbers | Page 40-41, #1-10 |
| 7 | Multiplying and Dividing Positive and Negative | Page 48-49, #1-8 |

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| | Fractions | |
| 8 | Adding and Subtracting Positive and Negative Fractions | Page 57, #1-10 |
| 9 | Adding and Subtracting Decimals | Page 64-65, #1-10 |
| 10 | Multiplying and Dividing Decimals | Page 73, #1-10 |
| 11 | Ratios | Page 80-81, #1-10 |
| 12 | Unit Rates | Page 87, #1-10 |
| 13 | Proportion | Page 94-95, #1-10 |
| 14 | Percent | Page 105, #1-10 |
| 16 | Simple Interest | Page 128-129, #1-10 |
| 20 | Scientific Notation | Page 153, #1-10 |
| 22 | Evaluating Algebraic Expressions | Page 166-67, #1-9 |
| 23 | Combining Like Terms | Page 173, #1-9 |
| 25 | Solving One-Variable Equations | Page 192-93, #1-10 |
| 26 | Solving One-Variable Inequalities | Page 202-203, #1-10 |
| 31 | Points and Lines | Page 253, #1-7 |
| 32 | Graphing a Line from a Table of Values | Page 258-59, #1-5 |
| 33 | Slope | Page 273-75, #1-9 |
| 34 | Slope Intercept Form | Page 284-85, #1-10 |

2) Create a Math Alphabet Book:

- Artistically illustrate an “A to Z” booklet with **Math Vocabulary words**:
 - A booklet will be provided to students before leaving for the summer, or a copy may be picked up at the office. Students can also create a simple booklet with white paper by folding in half and layering.
 - One page for each letter should contain:
 - **The Letter** (ex: “C”) - use color, make it pretty
 - **The Math Vocabulary Word**: (ex: “Coefficient”)
 - **The Definition of the Word** (ex: “A number multiplied by a variable.”)
 - **An Example** (ex: “In the expression $2x + 3$, 2 is a coefficient because it is multiplied by the variable x .”)

RESOURCES FOR ALL STUDENTS (if you need a refresher):

- Math Antics are the BEST Middle School Videos! (Mathantics.com)
- IXL Lessons (ixl.com)
- Khan Academy (khanacademy.com)
- “Everything You
- Need to Ace Math in One Big Fat Notebook” (Amazon.com)