



Rising 6th and 7th Grade Pre-Algebra Summer Math Review:

All rising 6th and 7th grade students who will be taking Pre-Algebra 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 26th**. Students will receive credit for their work in Trimester 1.

1) **Summer Math Journal**

- All Students should purchase the "[Everything You Need to Ace MATH 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 MATH in One Big Fat Notebook"

Unit #	Title	Check Your Knowledge
2	Positive and Negative Numbers	Page 17, #1-10
3	Absolute Value	Page 23, #1-10
6	Fraction Basics: Types of Fractions, and Adding and Subtracting Fractions	Page 47, #1-10
7	Multiplying and Dividing Fractions	Page 51, #1-10
8	Adding & Subtracting Decimals	Page 55, #1-10

9	Multiplying Decimals	Page 59, #1-10
10	Dividing Decimals	Page 63, #1-10
11	Adding Positive and Negative Numbers	Page 69, #1-10
12	Subtracting Positive and Negative Numbers	Page 73, #1-10
13	Multiplying & Dividing Positive and Negative Numbers	Page 77, #1-10
14	Inequalities	Page 83, #1-10
15	Ratios	Page 89, #1-10
16	Unit Rate and Unit Price	Page 93, #1-10
27	Expressions	Page 170-71, #1-10
29	Like Terms	Page 187, #1-10
31	Order of Operations	Page 200-201, #1-10
36	Solving for Variables	Page 229, #1-10
42	Quadrilaterals and Area	Page 284-85, #1-10
43	Triangles and Area	Page 292-93, #1-10
45	Circles and Circumference	Page 306-7, #1-10
52	Measures of Central Tendency and Variation	Page 373, #1-2

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)
- Math Is Fun (mathsisfun.com)
- “Everything You Need to Ace Math in One Big Fat Notebook” (Amazon.com)