



**Rising 7th and 8th Grade Algebra Summer Math Review:**

All rising 7th and 8th grade students who will be taking Algebra will be taking Math 8 will complete **one item** for summer work this year: a **Summer Math Journal**.

Details for the assignment are below. The Assignment 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.
- 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: Algebraic Properties
  - 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
1	Types of Numbers	Page 7, #1-10
2	Algebraic Properties	Page 15, #1-10
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 Fractions	Page 48-49, #1-8
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
17	Percent Rate of Change	Page 133, #1-8
19	Exponents	Page 147: #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
39	Introduction to Statistics	Page 333, #1-4
40	Measures of Central Tendency and Variation	Page 241, #1-5
42	Probability	Page 373, #1-6
43	Compound Events	Page 382, #1-8
45	Relations and Functions	Page 405, #1-8

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

- Math Antics are the BEST Middle School Videos! ([Mathantics.com](http://Mathantics.com))
- IXL Lessons ([ixl.com](http://ixl.com))
- Khan Academy ([khanacademy.com](http://khanacademy.com))
- Math Is Fun ([mathsisfun.com](http://mathsisfun.com))