

Name: \_\_\_\_\_ Due: \_\_\_\_\_

# Algebra 1 Summer Math BMCHS

*Math, Habits, and You*

Quick Information	
Teacher	Wiedwald
Regular Due Date	Monday, August 17th by 8:00 AM
Early Bonus Deadline	Monday, August 10th by 8:00 AM = +10 bonus points

## Purpose

This assignment is not about being perfect before high school starts. It is about showing effort, communicating clearly, reviewing important math skills, and understanding the habits that help students succeed in Algebra 1.

## Important note

You may use notes, examples, family help, or online resources while completing the summer assignment. You should still understand your work because you will take a short quiz when school begins.

## Assignment Checklist

Complete all three parts.

Part	What You Complete	What You Submit
1	Real-World Math Snapshot	A <b>link</b> to your video or drawing
2	Success Habits Reflection + About Me	A <b>link</b> to a clear picture of your completed page
3	Math Readiness Practice	A <b>link</b> to your completed practice pages with work shown

\* You do **not** need to print this packet. You may complete the work on regular paper as long as each part is clearly labeled and your work is readable.

## How to Submit

Submit through the Algebra 1 Summer Assignment form. See instructions on the next page.

## First-Week Quiz Preview

During the first week of school, you will take a short quiz connected to this assignment. The quiz is designed to show what you understand after reviewing, not to punish mistakes. It may include:

- Basic math readiness questions including adding/subtracting integers, multiplying/dividing fractions
- Math facts up to 12's
- A short explanation of one High School Success Habit
- A question about what to do when you are confused or earn a lower grade
- A real-world math connection similar to Part 1

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## Detailed Submission Directions

To share your video or pictures, submit your viewable links through the [Algebra 1 Summer Assignment form](#).

Video or Picture Link Steps	
<b>1. Upload the video or picture</b>	Upload the video or picture from your phone's camera roll <u>to a cloud storage service like OneDrive or Google Drive</u> .
<b>2. Get the shareable links</b>	Open the video or picture <u>in your cloud storage app</u> , click Share, and select Copy Link. Make sure the link permissions allow anyone with the link to view it.
<b>3. Submit the links</b>	Open the Algebra 1 Summer Assignment form and paste your copied video or picture link into the correct text box.

### Before You Submit, Check That You Have:

- Part 1 video, photo, or drawing explanation with a shareable link created
- Part 2 Success Habits chart and About Me completed with a shareable link created
- Part 3 Math Readiness Practice completed with work shown with a shareable link created
- Your name visible on each page or photo
- All pictures are clear and readable
- All links are set so they can be viewed
- Assignment submitted through the form by the deadline

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## Part 1: Real-World Math Snapshot

**Choose one** real-world object, situation, or pattern that connects to math. Your goal is to explain what you see, what math idea connects to it, and what you learned.

If you don't know what any of those math terms mean, look them up! Or, choose one of your own.

### Submission Options

**Option 1:** 60-90 second video with you explaining the math connection

**Option 2:** Photo or drawing with a written explanation

### Possible examples:

Object / Situation	Possible Math Connection
Basketball shot, volleyball serve, water fountain, bridge, rainbow	Parabola / quadratic shape
Sale price, discount, tax, tip, sports statistics	Percent change
Recipe, map, model, scale drawing	Ratios and proportions
Phone plan, allowance, babysitting pay, savings pattern	Linear relationship
Ramp, stairs, roof, road incline	Slope
Savings account, population	Growth over time

### Required explanation questions (these must be included and answered in your video or on your photo/drawing):

1. What object or situation did you choose? Show it visually.
2. What math idea does it connect to?
3. What do you already understand about that math idea?
4. What did you have to look up, review, or learn?
5. Why does this show that math is not just something on a worksheet?

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## Part 2: High School Success Habits Reflection

Read the [High School Success Habits](#) page. Choose **three** habits that you believe will matter most for your success in Algebra 1. Complete the chart below.

Success Habit I Chose	Why This Matters in Algebra 1	One Action I Can Take

**Tell me about yourself as a learner.** What has been your experience with Math? What habit do you feel you will need help with the most?

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### Part 3: Math Readiness Practice

**Directions:** Complete each problem. Show each step of your work. You may use resources to review, but you should understand your answers. You may not write "idk" or anything similar. To receive credit, all work must be complete and shown.

1. Simplify:  $8 - 3(2 + 4)$

2. Simplify:  $-6 + 14 - 9$

3. Evaluate  $3x + 5$  when  $x = -2$ .

4. Combine like terms:  $4x + 7 - 2x + 9$

5. Distribute and simplify:  $3(2x - 5) + 4$

6. Solve:  $x + 9 = 22$

7. Solve:  $4x - 7 = 21$

8. Solve:  $2(x + 3) = 18$

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9. Which is greater:  $\frac{3}{4}$  or 0.65? Explain briefly.

10. Simplify  $\frac{3}{8} \div \frac{1}{2}$ .

11. A shirt costs \$40 and is on sale for 25% off. What is the sale price?

12. Find the slope between the points (1, 3) and (5, 11).

13. A babysitter earns \$12 per hour plus a \$5 transportation fee. Write an expression for the total cost for  $h$  hours.

14. John says  $5x + 3 = 8x$ , but Xavier says  $5x + 3x = 8x$ . Explain who is correct and why.

15. Choose one problem from above that felt challenging. What did you do, or what could you do, to figure it out?

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## Completion Rubric: 100 Points

The summer assignment will be a quiz grade. The rubric below guides you on how it will be graded.

Category	Points	Full Credit Looks Like	Teacher Notes / Score
Part 1: Real-World Math Snapshot	25	Student clearly connects a real-world object/situation to a math idea and explains what they understand or learned. All questions are included/answered.  Earn extra points for creativity!	
Part 2: Success Habits Reflection	25	Student chooses 3 habits and gives specific, thoughtful explanations and actions.	
Part 3: Math Readiness Practice	25	Student attempts all problems, shows reasonable work, and demonstrates effort to review important skills.	
Directions, Effort, and On-Time Completion	25	Assignment is complete, readable, submitted correctly, and shows care and effort.  This includes making sure your handwriting is readable.	
Bonus Points	10	Turning in a <u>correctly completed assignment</u> a week early. Turned in by Monday, August 10 <sup>th</sup> by 8am.	

Total \_\_\_\_\_