Getting Ready for 8th grade!
Create Your Own Game!

Happy summer, scholars! ☀️

This summer, I am assigning you something *new* and *different.* You are a Game Designer! The types of games your company is looking for are **board games** and **card games**.

Once you choose a game type, here are the **Materials** you will need:
- **Paper** (printer paper, construction paper, or cardstock)
- **Colored Pencils** or **Markers** (any colorful or **bold** writing utensil will do!)
- **Scissors**
- A **Ruler** or **Straight Edge** (to help keep your game neat & polished)
- A **Plastic Bag** and/or **Box** to store the game in

Now, this is not just *any game.* Of course, it will need to involve some **math**!

Your game must include **at least 4** of the following problem types:
- ❒ Adding and subtracting with negative numbers
- ❒ Multiplying and dividing with negative numbers
- ❒ Solving an equation with a **variable** (such as x or y)
- ❒ Solving a problem with percentages
- ❒ Fraction operations
- ❒ Decimal operations
- ❒ Real World Problems
- ❒ Geometry Problems (like perimeter, area, or angle measures)

Please note that while you must have at least 4 types of problems, your game must include **at least 20 math problems** in all (though you may need more). The game itself can be as simple or as complex as you would like, ranging anywhere from matching (who doesn't like a good matching game?) to Monopoly (my personal least favorite game…but I promise I won't judge). Please include **Instructions**, and be sure that your work is **neat**!

Optional: Snap a picture 📸 of you and your family or friends playing the game, and send it to me. Next school year, I will be excited to receive your games and decide which game(s) to use in my classroom, so do try to make them fun. 😉 Enjoy!

Game Designer: _____ (*this is your name…*)

Name of the Game: _____

Check off <u>**at least 4**</u> types of math problems that you used in this game:
- ❐ Adding and subtracting with negative numbers
- ❐ Multiplying and dividing with negative numbers
- ❐ Solving an equation with a **variable** (such as *x* or *y*)
- ❐ Solving a problem with percentages
- ❐ Fraction operations
- ❐ Decimal operations
- ❐ Real World Problems
- ❐ Geometry Problems (like perimeter, area, or angle measures)

Give **one example** of a math problem you used from **each** of 4 problem types. This means you must provide the problem AND answer from at least 4 problems.

<u>Math Problem</u>   **<u>Answer</u>**

1.

2.

3.

4.

For the Game Instructions:

Please neatly write the Game Instructions you create on a separate piece of paper.