

## Final Task: Game Designer

You are a game designer, and you have been given the task of creating a math game that can be used as a tool for teachers to determine how much students have learned throughout the school year. You have been given specific directions about how many and what type of questions the game must contain, but the design can be all yours.

Your game must be made for at least three to four people to play at one time. Work with your group to decide who will be responsible for writing the questions and who will be responsible for making the game. Use the color codes below for each problem to easily identify each category. You will be given time during class to work on the game design and the math problems. Use your time wisely and stay focused.

Questions Requirements: **20 math problems** categorized in the following manner

Problems that Include	Percent of Problems:	Required Number of Problems:	Color Code:	Standards:
The Number System	10%		Red	8.NS.A.1 8.NS.A.2
Expressions and Equations	30%		Blue	8.EE.A.1, 8.EE.A.2, 8.EE.A.3, 8.EE.A.4 8.EE.B.5, 8.EE.B.6, 8.EE.C.7, 8.EE.C.7.A, 8.EE.C.7.B, 8.EE.C.8, 8.EE.C.8.A, 8.EE.C. 8.B, 8.EE.C.8.C
Functions	20%		Green	8.F.A.1, 8.F.A.2, 8.F.A.3, 8.F.B.4, 8.F.B.5
Statistics and Probability	20%		Yellow	8.SP.A.1, 8.SP.A.2, 8.SP.A.3, 8.SP.A.4
Geometry	20%		Orange	8.G.A.1, 8.G.A.2, 8.G.A.3, 8.G.A.4, 8.G.A.5, 8.G.B.6, 8.G.B.7, 8.G.B.8, 8.G.C.9

# GAME CHECKLIST

NAME \_\_\_\_\_

***DUE AT THE START OF CLASS:\_\_\_\_\_!***

**Students will work individually.**

\_\_\_\_\_ Clear directions: How to Play the Game (neatly and legibly handwritten)

\_\_\_\_\_ 20 problem / question cards:

The Number System 10%= \_\_\_\_\_

Expressions and Equations 30%= \_\_\_\_\_

Functions 20%= \_\_\_\_\_

Statistics and Probability 20%= \_\_\_\_\_

Geometry 20%= \_\_\_\_\_

\_\_\_\_\_ Answer Key

\_\_\_\_\_ Each category must be color coded

\_\_\_\_\_ Board game can be played by 2 to 5 players

\_\_\_\_\_ All game pieces must be in a baggie or container

***\*\*Timeline of Items to turn in:***

\_\_\_\_\_ Copy of handwritten or typed game directions [5/18\_\_\_\_\_]

\_\_\_\_\_ Copy of problems with answers [5/18\_\_\_\_\_]

\_\_\_\_\_ Rough draft of game (sketch on paper) [5/18\_\_\_\_\_]

\_\_\_\_\_ Self-checklist (this paper completed) [5/27\_\_\_\_\_]

\_\_\_\_\_ Game Board and Pieces created and ready to play [5/27\_\_\_\_\_]