

Math Board Game

Objective: To create a board game where players must solve math problems/concepts learned through the year to win.

- 1) You are board game designers. Your game can have any theme you choose and you decide how your game is won. You are creating your game board for at least 4 players for your peer classmates to play. It has to be fun to play, and it has to be easy to follow the rules. The game should to be decorated in the theme you choose.
- 2) Choose 2-3 concepts we have studied this year for your game board and questions:
 - a. Fractions and Decimals
 - b. Factors and Multiples
 - c. Multiplication (must include up to 3 digit by 3 digit problems)
 - d. Division (must include up to 3 digit by 1 digit problems)
 - e. Perimeter and Area
 - f. Place Value
- 3) You must create 20 question cards related to your math concept.
- 4) You must provide clear, written directions so player will know how to play your game.
- 5) You will need to produce a key to go with your game so the players will be able to check their answers and know if they are correct.
- 6) I must approve a rough draft of your idea and game board before you begin.
- 7) I will provide paper/poster board but anything else is up to you.
- 8) You will be graded using the rubric on the backside of this sheet.

BOARD GAME PROJECT RUBRIC

	4	3	2	1	Score
Rules	Clear and detailed explanations of how to play and win the game. The explanations are specific and easy to follow.	Detailed explanations of how to play and win the game. The explanations are not easy to follow.	Explanations of how to play and win the game are not clear, detailed or specific.	Explanations of how to play and win the game are unclear.	
Design	Project is neat, organized, well designed and creative.	Project is neat and organized.	Project is organized but no design.	Project is complete but no organization or design.	
Use of Mathematics	20 Math problems are used throughout the entire game to move spaces, earn or lose points, and win the game. Solutions are presented and correct.	Math problems are used only during certain parts of the game, or less than 15. Solutions are presented and mostly correct	Math problems are not used in the game, or not solved. Integers are only used in the game as positive and negative numbers.	Math problems are not evident at all or not incorporated in the game.	
Requirements	Project successfully meets all requirements. The checklist from the project outline was used. The list of materials, the rules, the game pieces and the game board are complete.	Project meets most of the requirements.	Project meets few of the requirements.	Project is done incorrectly and does not meet any of the requirements.	

Name of Board

Game: _____

Partner Names: _____

Game Board

Theme _____

Math Concepts of Game Board

Did you include?

- 20 (or more) question cards
- An answer key
- Clear directions for players
- Rules
- A colorful and exciting game board

Tip Sheet

Question Cards:

Write out your questions before you begin designing your board.

When you have written them all out, edit and then write on index cards.

Find the answers to your questions as you go.

General Tips:

Make your game interesting by having different spaces mean different things.

See examples:

