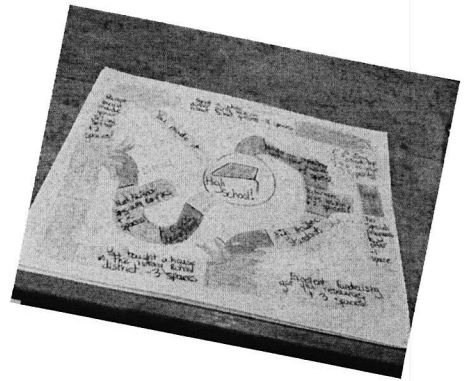




Quarter 2 Math Project

Create a Math Board Game

Due: Monday, January 23, 2017



January 3, 2017

Dear students and families,

In the second quarter, students are creating a math board game that supports the content we are currently studying: multiplication and division. In this document, you will find all requirements, checklist, and any other important information. The outlines for the math steps and directions are also provided, but you do NOT have to use these. They are a guideline. The final project is due on January 23, 2016. If you misplace any documents or have any additional questions, please look at our class website or contact your child's teacher. This project is intended to be a fun learning experience. Let your child do what he or she is capable of.

Sincerely,

Mr. Karver and Ms. Moore

Objective: You will create a math board game that relates to multiplication and division. The game should be able to reteach, reinforce, or extend these topics. Think about other board games that you have played and take a look at those rules. As you create your game, please keep your fellow classmates in mind! On the due date, you will have a chance to play the games that your classmates created and provide feedback! Complete all of the requirements below.

Topic: Below are some possible topics and types of problems that your game will focus on. You do not have to every single type of problem, but it should include BOTH multiplication and division problems.

- | | |
|-----------------|-------------------------|
| • Fact families | • Multiplication table |
| • Arrays | • Repeated addition |
| • Area | • Repeated subtraction |
| • Pictures | • Equal groups |
| • Number lines | • Unknowns in equations |
| • Word problems | • Distributive property |

Create the following for your game:

1) Name: Give your game a fun and creative name that has to do with your game.

2) Theme: Create a theme for your game (sports, beach, under the sea, fairy tales, etc.)

3) Game directions: Clear, step-by-step instructions on how to play the game. They must include:

- number of players (at least 4)
- materials needed
- goal of game
- step-by-step instructions
- how a player wins
- answer key for all questions

4) Game board: Design a colorful, neat chart or board with a start to finish, or any other place that your players will use to play the game.

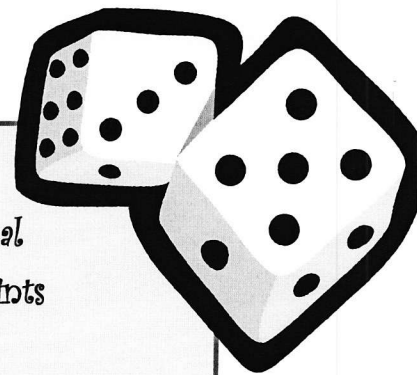
5) Game pieces: choose or create dice, pennies, rocks, paper pieces, tokens, buttons, etc. that fit your theme.

7) Game cards: You must include at least 15 game cards with 15 different problems to solve.

8) Answer Key: You must create an answer key for each of the game cards.

8) Neatness: Your project should be attractive, neat, easy to read, and colorful. Make a student want to pick your game above any other game on the shelf. **All the parts of the game must also fit in a decorated box.

If you are unable to find or make something for this project, please let your teacher know ahead of time so she can try to help you find them!

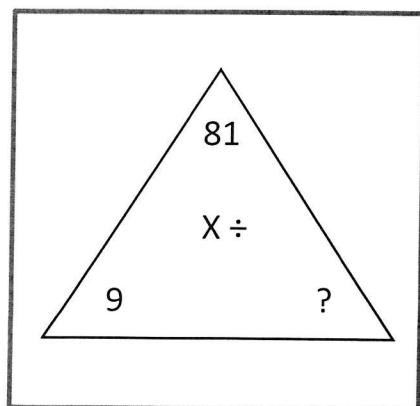


Checklist

Optional
Checkpoints

_____	Name Given	1/6
_____	Theme	1/6
_____	Topic Selected	1/13
_____	Directions to play game	1/13
_____	Game board	1/20
_____	Game pieces and box	1/20
_____	Game cards	1/23
_____	Answer key	1/23
	Turn In	1/23

Sample Game Cards



Katya had 8 kittens. The kittens went to 4 different families. How many kittens did each family get? What is unknown: Group Size or Number of Groups?

$$3 \times 8 = k$$

What is does k equal?