Let’s Play!

A Student – Created Integer Game Project

Created by:
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Let’s Play!

Your students chosen to create a board game for a math company.

- Break your students up into groups of 2 or 3.

- Each group will need:
  - One copy of the Student Directions Worksheet
  - Copy of the Student Job Cards
  - One copy of the Group Worksheet
  - Crayons, Markers or Colored Pencils
  - Scissors
  - Glue
  - Colored Paper
  - Access to a computer (if possible) to type directions / materials list
  - One copy of each of the four game boards (optional)

- Each group will:
  - Design their own integer operations game that must include all four operations.
  - Write detailed directions on how the game should be played.
  - Include a materials list of everything in the box.
  - Have a time keeper, task master, materials person.

- Each group should:
  - Either use dice or some form of cards with problems on them.
  - Ideally, the answer a student gets will indicate their movement forward or backwards on the game board.
Let’s Play!

You have been chosen to create a board game for a math company.

Group Jobs:
Everyone in your group will need a job! Look at the job cards and decide who will take on each position!

The company only has the following requirements:

- **Topic – Integer operations**
  - All four integer operations must be included.

- **Players – Four**
  - Four (or more) students must be able to play the game.

- **Directions & Materials – Detailed**
  - Your game must include a directions sheet. Please be as detailed as possible. Include a list of everything included in your game (dice, cards, pieces, etc.) Write neatly – or type!

- **Problems**
  - Your game should include at least 20 integer problems. At least half of them should involve the Order of Operations.

- **Color & Creativity – Awesome**
  - The game must be colorful and creative. The company wants to make money off this game and it won’t sell if it is boring!

- **The Box – Appealing**
  - You must design the cover of the box. It should show what the game board looks like. It should be appealing and make people want to purchase it!

- **Does it work? Is it fun?**
  - Actually play the game. Does it work the way you want it to? If not, fix it!

**Game board design:**
You will be given four potential game boards. You do not have to use them if you do not want to. You can design your own!
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Job Cards

**Time Keeper**

Your job is to keep your eye on the clock. Make sure your group will be finished in the time given by your teacher!

**Task Master**

Your job is to keep your group on task. Make sure everyone is working and discussions are focused on the task at hand.

**Materials Person**

Your job is to make sure your group has all the materials needed to create & play your game. You also must make sure everything is returned!
Before you begin, brainstorm some ideas:
*This should take about 10 minutes!*

1. How will the players move around the board?  
   (chips, game pieces, etc.)

2. How will questions be asked?  
   (cards with problems on them, dice, playing cards, etc.)

3. How will students solve problems?  
   (their own paper, paper provided with the game, etc.)

4. Will your game have a theme?  
   (circus, carnival, sports, cars, etc.)

5. What else do you want to include?
Materials:
What materials will be needed for your game?
____________________________________________________________
____________________________________________________________
____________________________________________________________
____________________________________________________________
____________________________________________________________
____________________________________________________________
____________________________________________________________
____________________________________________________________

Directions:
Write the directions for your game here.
____________________________________________________________
____________________________________________________________
____________________________________________________________
____________________________________________________________
____________________________________________________________
____________________________________________________________
____________________________________________________________
____________________________________________________________

This is not the final draft of materials and directions.
Your group will design something that looks like it would be found in a game box!
Problems:
Write out your 20 problems here. Be sure to include the answers.

1) _________________________________________________________
2) _________________________________________________________
3) _________________________________________________________
4) _________________________________________________________
5) _________________________________________________________
6) _________________________________________________________
7) _________________________________________________________
8) _________________________________________________________
9) _________________________________________________________
10) ________________________________________________________
11) ________________________________________________________
12) ________________________________________________________
13) ________________________________________________________
14) ________________________________________________________
15) ________________________________________________________
16) ________________________________________________________
17) ________________________________________________________
18) ________________________________________________________
19) ________________________________________________________
20) ________________________________________________________
# Let’s Play!
## Rubric

<table>
<thead>
<tr>
<th></th>
<th>Possible Points</th>
<th>Your Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brainstorm page complete</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Materials &amp; Directions page complete</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Twenty integer problems with correct answers</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Final game board with directions and all materials</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>50</strong></td>
<td></td>
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