Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class Period: \_\_\_\_\_\_\_

**Project: Choice Board-Ratios and Proportional Relationships**

**When is the project due?**

This project was handed out on **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** and will be due **\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. NO LATE ASSIGNMENTS WILL BE ACCEPTED!**

**What are the requirements?**

Complete three activities from the Choice Board attached. You must choose one from each point value (row). See below for activity requirements:

* **20 pt. choices**
  + **Poster #1 or #2:** When you create your poster, remember that it may hang in the classroom for all students to see. With this in mind, make sure that your writing is large enough to be read from a distance. Your poster should include an example that shows every step. All details need to be clearly explained. Finally, it should be colorful so students want to read it.
  + **Instagram Post:** Create an Instagram post that summarizes the concept of finding unit rates. Include at least one example. Caption post with hashtags.
  + **Story Problems:** Story problems are based on real-world scenarios. When you write your story problems, think about life outside of the math classroom. Make sure your scenarios are realistic and challenging. You must include all the information needed to solve each problem. Finally, show how to solve each one of your problems.
* **30 pt. choices:**
  + **Rap/Song:** Your Rap/Song must be original and have a rhythmic sound when read aloud. It should be enjoyable for the listeners. Include a description of all the necessary steps to solve. Make sure a listener would be able to understand how to solve a problem after they listen to you. You can describe an example as well.
  + **Letter:** You are writing a letter to a friend to help them understand how to prove ratios are proportional. Write your letter in a friendly format (include “Dear \_\_\_\_” and “Sincerely \_\_\_”) Write in paragraph form, not a bulleted or numbered list. Break from paragraph format to include an example.
  + **Acrostic:** Create an acrostic poem on proportions. Use phrases and math vocabulary to describe what proportions are and why they are used. Include specific examples, such as careers, that require this knowledge.
  + **I Have Who Has:** Create a ratio & rate game of “I Have, Who Has”. Make a full set of 26 cards. Each card should use the format “I have \_\_\_\_\_. Who has \_\_\_?” Remember, the problem on the **last** card, has to link to the answer on the **first** card.
* **50 pt. choices:**
  + **PowerPoint:** This presentation should have at least 6 slides, including a title slide. Be sure to include examples when appropriate. Your descriptions must be easy to understand and include all necessary steps. Include slide transitions (animation). When your presentation is complete, email it/ send the link to me at: [chanda.freeman@lrsd.org](mailto:chanda.freeman@lrsd.org) or turn in your flash drive so I can download it.
  + **Game:** Create a board game or a card game. Your game should be fun and interesting for all students to play. Be creative and colorful in your design. Written game directions must be clear. Incorporate ratios, unit rates and proportions into the game (incorporate length, area and other quantities). Include an answer key so players can check their work as they play. All materials to play the game must be included.
  + **Video:** Create a video showing and explaining how to identify the constant of proportionality (unit rate) in tables, graphs, and equations. You should include more than one example of each. The video should be approximately 5-10 minutes in length. When your video is complete, email the file or link to me at: [chanda.freeman@lrsd.org](mailto:chanda.freeman@lrsd.org) or turn in your flash drive so I can download it.

**How much is this project worth?**

This project is worth a test grade (100 points)

**General Rubric:**

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| --- | --- |
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| CATEGORY | **4** | **3** | **2** | **1** | **0** |
| **Requirements** | All requirements are met and exceeded. | All requirements are met. | One requirement was not completely met. | More than one requirement was not completely met. | No requirements were met. |
| **Clarity** | All descriptions and work shown are easy for the reader/audience to understand. | Most descriptions and work shown are easy for the reader/audience to understand. | Some descriptions and work shown are easy for the reader/audience to understand. | Descriptions and work shown are not easy for the reader/audience to understand. | Descriptions and work are not present. |
| **Neatness** | All work and writing is easy to read and visually appealing. | Most work and writing is easy to read and visually appealing. | Some work and writing is easy to read and visually appealing. | Work or writing is not easy to read and/or not visually appealing. | Work and writing are not present. |
| **Accuracy** | All problems are solved accurately and all necessary work is shown. | Most problems are solved accurately and/or most necessary work is shown. | Some problems are solved accurately and/or some necessary work is shown. | Problems are not solved accurately and/or all necessary work is not shown. | Problems are not solved. |
| **Rigor** | All problems were created with an appropriate level of difficulty. | Most problems were created with an appropriate level of difficulty. | Some problems were created with an appropriate level of difficulty. | Problems have not been created with an appropriate level of difficulty. | Problems have not been created. |