

Explain Everything – Proportional Reasoning Video

Group Assignment

Group Goal: *Create a video that explains exactly how you answer a series of proportional reasoning questions.*

TASKS:

1. Answering the question.

Your group must choose one of the questions provided, and work together to completely answer its five parts.

When you feel that you have completed the question, have Mr. Andrew check it and approve what you have done.

RULES: - each group member must hand in their own copy of the rough work you did to answer the questions.

2. Explaining what you have done using the 'Explain Everything' Ipad application.

Your group must get familiar with the *Explain Everything* app, and prepare to create your video. As a team you will develop a video that explains your answers to all 5 parts. This video will later be uploaded online and shared with the class.

RULES: - each group member will be responsible to explain how to do at least one of the 5 parts.

- each part must be explained using text and your voices.
- students must explain each step along the way (don't jump to the answer).
- each student will be marked individually based on their contribution to the group, their overall accuracy, and their ability to communicate the explanations clearly.

3. Each student will be responsible to critique two videos prepared by other groups using a rating scale.

4. Each student will fill out a short critique of their own participation, as well as a critique of their other group members.

Due Date to upload the final good copy video: _____

Rubric:**1. Knowledge**

1	2	3	4
Limited understanding and use of proportional reasoning equations Questions are answered with a limited degree of accuracy	Some understanding and use of proportional reasoning equations Questions are answered with a some degree of accuracy	considerable understanding and use of proportional reasoning equations Questions are answered with considerable accuracy	Excellent understanding and use of proportional reasoning equations Questions are answered with a high degree of accuracy

2. Communication

1	2	3	4
Several steps are missing or their explanations are limited Oral and written explanations are expressed with limited effectiveness, and proper terminology was rarely used for proportional reasoning	Some steps were missed or not fully explained Oral and written explanations are satisfactorily expressed and some proper terminology was used for proportional reasoning	Most steps are effectively explained Oral and written explanations are clearly expressed using proper terminology for proportional reasoning	Every step is fully explained Oral and written explanations are clearly expressed using proper terminology for proportional reasoning

3. Application

1	2	3	4
Limited contributor to the video Rarely used class notes and knowledge to answer the questions The organization of the explanations is limited.	Somewhat effective contributor to the video Used class notes and knowledge to answer the questions in a somewhat organized manner	Considerable contributor to the video Used class notes and knowledge to answer the questions in a well-organized manner	Very effective contributor to the video Used class notes and knowledge to answer the questions in a highly organized manner