

Related Rates Tutorial Video

You will choose and manage teams of 3 for this assignment. As a team, you will decide who will be responsible for each task below. Together you will create a video tutorial on one related rates word problem that is assigned, *and* one that you create. The type of video your team makes is up to you. This will count as a quiz grade.

- Solve** the assigned related rates word problem, showing all work.
- Create** a picture to represent the situation of your assigned problem.
- Explain** the steps to solving the assigned problem using correct terminology.
- Analyze** the work done for accuracy and quality.

- Create** your own fun and unique related rates word problem.
- Solve** the created related rates word problem, showing all work.
- Create** a picture to represent the situation of your created problem.
- Explain** the steps to solving the created problem using correct terminology.
- Analyze** the work done for accuracy and quality.

Create a unique and engaging video tutorial that covers both problems. Be creative with the type of video you choose to make!

Team Member Roles

_____ *Team Leader*: Responsible for leading the team as you work through the assigned problem, and create/work through a new problem *together*. This person will be the one responsible for recording the steps to solving the problems as the group comes up with them.

_____ *Manager*: Responsible for managing the discussion, watching the time, and keeping the team focused. This person will be the one responsible for making sure the team works together to explain each problem, and includes *each component* of the assignment.

_____ *Results Analyst*: Responsible for checking the solutions for accuracy and checking the recording for quality. This person should suggest any necessary revisions, and is responsible for editing/putting the final video product together.

All team members are expected to work together to discuss, create, and analyze.

Grading Rubric	Pts Possible	Pts Earned
Assigned problem solved with work & explained thoroughly (with correct terminology).	15	
Created problem solved with work & explained thoroughly (with correct terminology).	15	
Pictures included for each problem.	10	
Each team member has a speaking role.	10	
Video is high quality (team members can be heard, no background noise, video not blurry or unstable, orientation is correct).	10	
Video is no shorter than 3 minutes and no longer than 5 minutes.	10	
Video is uploaded to Youtube and set to "public".	10	
Video link is posted to the Google Spreadsheet (on Weebly).	10	
A hard copy of your work during the process is turned in.	10	
Total	100	

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