

The Cost of Health Care

The Most Wonderful Time of the Year...open enrollment for healthcare. Millions of Americans will be spending their time over the next couple of weeks looking at and evaluating health care plans to determine what is the best, most cost effective plan for themselves and their families. As a team, evaluate a family's income, needs, and healthcare options to determine which healthcare plan will best satisfy the family's needs.

The team will be provided with information about the family, healthcare needs for the family, and two healthcare options to choose from. The team will need to research family salary information, one outside healthcare option and provide the information for this plan. The tax rate to use for determining net pay should be 25%.

Each team will:

Create and present a three to five minute presentation that outlines/includes (point value 15 points)

- 1) The best plan for the family insurance that was determined and why
- 2) The families new expected average monthly salary information to include gross and net pay
- 3) Two compound inequalities to demonstrate the healthcare information

Each individual will:

Write at least a one-page paper demonstrating what they learned about the application of math and problem solving in determining health care plans, what their role in the group and what they learned from working in a group. (point value 10 points)

Evaluate the individual performance of their group members through a peer review (point value 5 points averaged for individual team members)

Project Timeline:

September 30 - October 2 – Introduce project, assign roles, and begin research

October 5-7 – Research and evaluate options, computer lab as necessary

October 8-9 – Presentations and papers due.

Team Name: _____

Name: _____

Role: _____

Responsible

for: _____

Name: _____

Role: _____

Responsible

for: _____

Name: _____

Role: _____

Responsible

for: _____

Name: _____

Role: _____

Responsible

for: _____

Team Name: _____ Presentation Rubric (15 points)

1) The best plan for the family insurance was determined and why (4 points)

A family healthcare plan was selected and clearly explained why, limited grammatical errors	A family healthcare plan was selected and clearly explained why, grammatical errors	A healthcare plan was selected but not clearly explained	Healthcare plans were presented but not clearly explained	Nothing was selected nor explained
4	3	2	1	0

2) The families new expected average monthly salary information to include gross and net pay (4 points)

Average salary was accurately calculated and included gross and net pay	Average salary was calculated and included gross and net pay	Average salary was calculated however was missing gross or net pay	Average salary was calculated however was missing gross and net pay	Nothing was calculated for the average monthly salary information
4	3	2	1	0

3) Two compound inequalities to demonstrate the healthcare information (4 points)

Correctly identified and demonstrated two compound inequalities for healthcare information	Identified and partially demonstrated two compound inequalities for healthcare information	Partially identified and partially demonstrated two compound inequalities for healthcare information	Partially identified and partially demonstrated one compound inequalities for healthcare information	Did not demonstrate any compound inequalities
4	3	2	1	0

4) Presentation (3 points)

Made direct eye contact, hold attention of audience, uses clear voice so that can be heard	Consistent use of eye contact but looking at notes, made minor mistakes but quickly recovered, most audience members can hear	Minimal eye contact with audience, has trouble recovering from mistakes, voice is low and hard to hear for audience	Limited eye contact and reads from notes, tension and nervousness is obvious – trouble recovering from mistakes, student mumbles and is hard to hear
3	2	1	0

Total Score: _____

Comments:

Peer Evaluation for Team Participation (Each member will evaluate all team members)

Completed by: _____ Completed For: _____

Team member completed their responsible tasks for the project?

_____ yes _____ no

Team member contributed to the project a majority of the time while working together?

_____ yes _____ no

Team member assisted equally in compiling the final presentation?

_____ yes _____ no

I would score this team member's performance in the group as:

Did not help		Average		Exceptional
1	2	3	4	5

Comments:

Peer Evaluation for Team Participation(Each member will evaluate all team members)

Completed by: _____ Completed For: _____

Team member completed their responsible tasks for the project?

_____ yes _____ no

Team member contributed to the project a majority of the time while working together?

_____ yes _____ no

Team member assisted equally in compiling the final presentation?

_____ yes _____ no

I would score this team member's performance in the group as:

Did not help		Average		Exceptional
1	2	3	4	5

Comments:

Name: _____

Paper Rubric (10 points)

- 1) Demonstrated the application of math and problem solving in determining health care plans (4 points)

Student clearly demonstrated how they applied math and problem throughout the project of determining health care	Student demonstrated how they applied math or problem throughout the project of determining health care	Student's demonstration of how they applied math and/or problem throughout the project of determining health care is a little hard to understand	Student is not able to explain or demonstrate how they applied math and/or problem throughout the project of determining health care	Nothing was selected nor explained
4	3	2	1	0

- 2) Discussed their role in the group and what they learned from working in a group (4 points)

Student clearly explained what their group role was and what they learned from working in a group	Student clearly explained what their group role was or what they learned from working in a group	Student's explanation of their group role and what they learned is a little hard to understand	Student's group role and what they learned is not identified or explained clearly	Nothing was identified for the student's group role or what was learned from working in a group
4	3	2	1	0

- 3) Paper (2 points)

The paper is of appropriate length and has limited spelling, punctuation, or grammatical errors.	The paper is almost appropriate length and has a few spelling, punctuation, or grammatical errors.	The paper is approximately half the appropriate length and has several spelling, punctuation, or grammatical errors.	The paper has many spelling, punctuation, or grammatical errors and is lacking the appropriate length.
2	1.5	1	.5

Total Score: _____

Comments: