

Summer Job Worksheet

Job 1: Joe was offered a summer job that paid \$6.25 an hour. Joe would work 40 hours a week. With this job Joe had to buy work boots that would cost \$20.

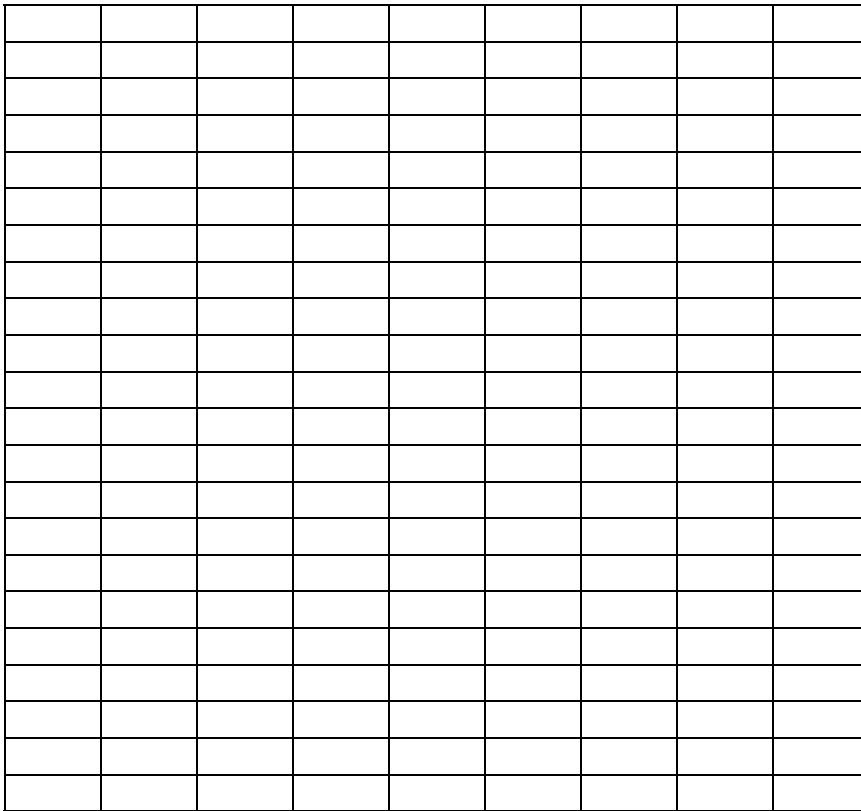
Job 2: Joe was offered another summer job that paid \$7 an hour. Again Joe would work 40 hours a week and with this job Joe would have to buy two uniform that would cost a total of \$100.

Fill in the chart below:

WEEK (w)	TOTAL AMOUNT JOB 1 (t)	TOTAL AMOUNT JOB 2 (t)
1		
2		
3		
4		
5		
6		
7		
8		

Label y-axis in increments of \$100 and plot the data from the table and connect the points onto the graph below. Note: Make sure that you label each line as job 1 or job 2.

Total amount



week 0 1 2 3 4 5 6 7 8

Equation of: Job 1 : _____

Job 2: _____

Determine when both jobs will earn the same amount by solving system of equations:

Graphically:

Substitution:

Elimination:

-State which job would earn the most money in an eight week period and state what that amount would be?

RUBRIC:

Filling in the chart correctly : 32 points

Graph:

Labeling y-axis in increments of \$100: 2 points

Plotting points and connecting points: 32 points

Labeling each line as job 1 or job 2: 2 points

Equation of Jobs in standard form: 5 points each

Solving systems of equations:

Graphically: 6 points

Substitution: 6 points

Elimination: 6 points

Stating which job earns more and total amount earned: 4 points

Total: 100 points