Answer the following questions based on the above information.

1. What is the definition of the decision variables in the linear program used by the company?

Ans: no.of persons in particular batch stared to work on each day viz., X1 starts on Monday, X2 on Tuesday and so on

1. Describe the objective function (in words) that the company uses in the linear program

Ans: Total number of drivers required

1. Determine the optimal value of the objective function

Ans:22

1. Based on the optimal solution, how many drivers will be scheduled to work on Monday?

Ans:19

1. Based on the optimal solution, how many drivers will be scheduled to work on Tuesday?

Ans:17

1. Suppose the drivers were paid $ 50 per weekday and $ 80 for Saturday or Sunday, What is the total money paid to the drivers if the optimal plan determined above was implemented.
2. Ans:$6250 (calculation attached in worksheet)

