

Name: Mrs Hogue

Planning a Statistical Study- 30 points

- 1) Name the individuals or objects of interest: Statistic students first hour
at Madison High School
(2 pts)
- 2) Variable: (Specific question you want answered) Can you tell the difference
between Coke and Pepsi?
(3 pts)
- 3) Entire population: Statistic students in Lenoir County
(2 pts)
- 4) What will be your sample size: All of 1st hour: 24 students
(3 pts)
- 5) Name the sampling method: Randomized
(5 pts)
- 6) When gathering data, explain how your sample is an observational study or an experiment:
(5 pts)
Observational study because the students
are testing one cup of each pop product with
NO treatment applied.
- 7) Explain your data collection plan (include the method you will collect the data, materials you will need, any permission to get ahead of time, and the level of measurement.) (10 pts)

Each student is assigned a calculator number. On the
calculator, I will use the random number generator
to choose the order for each student to go back ^{to the}
the room. Then each student will take a cup of pop
from one container. Throw the cup away, eat a croaker
& then try the other pop in a new cup. The ballots will
be at the end for them to Circle Coke or Pepsi.
for A or B, Back →

Materials:

① 2 similar containers labeled

A & B

② 2-Liter Coke
2 Liter Pepsi

③ Ballots to Vote Coke or Pepsi

④ Crackers

Cups

Plate

Garbage Can

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Ask Mrs. Joekler to pour the pop &
fill out the Answers