**A Role for Rational Numbers**

Currently, the United States elects its president using the Electoral College. How are electoral college votes determined? Do these votes allow all states “fair” representation to elect the president?



**Task:** To determine if the current number of electoral college votes each states gets is “fair.” How many people in California equal 1 electoral college vote? How many in Wisconsin, Nebraska, or South Carolina? Create a poster to share your ideas, represent your solution using a picture, drawing, or diagram, and provide mathematical justification for your solution.

* Facilitator
  + Ensures that everyone understands what is going on at all times – initiates “time outs” to check in with all group members
  + Keeps track of time and manages team progress
  + Calls over the teacher if there is a group question
* Manager
  + Collects supplies for the team & makes sure everyone has the supplies they need
  + Makes sure each person has a turn *USING* the tools/supplies to aid in finding a solution
  + Cares for supplies, organizes cleanup and returns supplies (or designates someone to do so)
* Reporter
  + Makes sure each person gets to share his/her ideas and explain his/her thinking
  + Makes sure that each person’s ideas are represented in final solution
  + Make connections between your solution, representation, and your explanation