

Instructions: Use Jefferson Method to apportion the seats in #1, Webster's in #2, and Adam's Method in #3. Note if there are any quota rule violations.

1. Total Seats Available: 210

| State | Population | Standard Quota | Modified Quota | Modified Quota | Modified Quota | Final Apportionment |
|--------------|----------------|----------------|----------------|----------------|----------------|---------------------|
| Kanteria | 88,129 | 54.46 | 55.08 | 54.91 | 54.94 | 54 |
| Humea | 79,340 | 49.03 | 49.58 | 49.43 | 49.46 | 49 |
| Cartesia | 89,920 | 55.57 | 56.2 | 56.02 | 56.06 | 56 |
| Socration | 54,543 | 33.71 | 34.08 | 33.98 | 34.00 | 34 |
| Plateau | 27,881 | 17.23 | 17.43 | 17.37 | 17.38 | 17 |
| Total | 339,813 | 208 | 211 | 209 | 210 | 210 |

SD = 1618.16

MD = 1600

MD = 1605

MD = 1604

no quota rule violation

2. Total Seats Available: 39

| State | Population | Standard Quota | Modified Quota | Modified Quota | Modified Quota | Final Apportionment |
|--------------|-------------|----------------|----------------|----------------|----------------|---------------------|
| Charon | 965 | 10.95 | 11.09 | 11.02 | | 11 |
| Nix | 219 | 2.49 | 2.51 | 2.50 | | 3 |
| Hydra | 519 | 5.89 | 5.97 | 5.93 | | 6 |
| Kerberos | 828 | 9.40 | 9.51 | 9.46 | | 9 |
| Styx | 906 | 10.28 | 10.41 | 10.35 | | 10 |
| Total | 3437 | | | | | 39 |

SD = 88.128

MD = 87

MD = 87.5

no quota rule violations

3. Total Seats Available: 75

| State | Population | Standard Quota | Modified Quota | Modified Quota | Modified Quota | Final Apportionment |
|--------------|---------------|----------------|----------------|----------------|----------------|---------------------|
| Vesta | 3457 | 8.62 | 8.54 | 8.43 | 8.33 | 9 |
| Pallas | 9740 | 24.28 | 24.05 | 23.76 | 23.47 | 24 |
| Persephone | 8248 | 20.56 | 20.37 | 20.12 | 19.87 | 20 |
| Ceres | 6913 | 17.23 | 17.07 | 16.86 | 16.66 | 17 |
| Eris | 1734 | 4.32 | 4.28 | 4.22 | 4.17 | 5 |
| Total | 30,092 | 78 | 78 | 76 | | 75 |

SD = 401.23

MD = 405

MD = 410

MD = 415

no quota rule violation