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Name _	-		ı	
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Instructions: Show all work. Use exact answers unless otherwise directed to round.

1. The population of Maryland in 2017 is estimated to be 6,068,511. If the State legislature (lower house), with 141 seats, were to be reapportioned today, what would be the standard divisor?

6068511 = 430 39.09

2. Explain what happens in the New States Paradox. Why is this a fairness violation?

a state is apportioned new seats based on old st-divisor & Seats added to legislature. But adding states population & reapportioning affects apportioning of old states. Should not have an affect

3. Apportion the following table of an imaginary state legislature according to Hamilton's Method if there are 245 seats to be apportioned.

STATE	POPULATION	STANDARD QUOTA	LOWER QUOTA	UPPER QUOTA	+1	FINAL APPORTIONMENT
LIGHTELF SHADOWWALL REDBRIDGE ICEHOLLOW FREYCLIFF CLEARKEEP TOTALS	65,191 40,733 85,647 20,015 78,884 3,167	54.392.99 33.9861 71.4607 16.69978 65.8179 2.6424	54 33 71 16 65 2	55 34 72 13 66 3	+1 +1 +1	54 35 71 17 66 3

St. du. 293637 = 1198.5184

4. Apportion the following table of an imaginary state legislature according to Jefferson's Method if there are 245 seats to be apportioned.

	STATE	POPULATION	STANDARD QUOTA	MODIFIED QUOTA	MODIFIED QUOTA	MODIFIED QUOTA	FINAL APPORTIONMENT	
Same a aboa	LIGHTELF SHADOWWALL REDBRIDGE ICEHOLLOW FREYCLIFF CLEARKEEP TOTALS	66,138 44,608 54,791 20,015 76,732 3,167 293, 637	54.39 33.986 71.46 16.69978 65.8179 2.64	55.00 34.34 72.27 16.39 66.568 2.67			55 34 42 16 66 2	ok ok ok ok

MD = 1185 works

5. Is there a Quota Rule violation in #4? Why or why not?

Mo, there is not. Status received lether their appear or laver guota