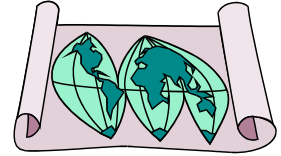


## Map maker, map maker, make me a map...



Congratulations you have recently been hired as a cartographer on the city of Naperville's planning commission. Your boss, Mr. G. O'Grady, just came to you with an important assignment. The city of Naperville is considering changing from a city to a fief. The two opposing groups, the "Friends of Fiefdom" and the "Fief Fighters," are constantly arguing and the mayor does not know what to do. Mr. O'Grady wants you to create a scale map of a fief. The boss feels your vast knowledge of fief structure and ratios makes you the perfect candidate for the job. The city council is going to use this map to compare it with a map of Naperville. The outcome of this evaluation will help the mayor and the city council determine whether Naperville will remain a city or become a fief.

Your scale map must use standard map conventions and should include a complete report showing the mathematical calculations needed to create the scale map. An explanation of the processes you used to come up with these calculations should accompany the report as well.

### Criteria used to assess this task:

- 🌐 Create a key
- 🌐 Demonstrate appropriate use of color and shading
- 🌐 Label locations accurately
- 🌐 Construct your scale map neatly
- 🌐 Use appropriate spelling and capitalization
- 🌐 Display mathematical knowledge
- 🌐 Present Strategic Knowledge
- 🌐 Explain mathematical thinking



∩ See attached rubric for a detailed breakdown of points!