

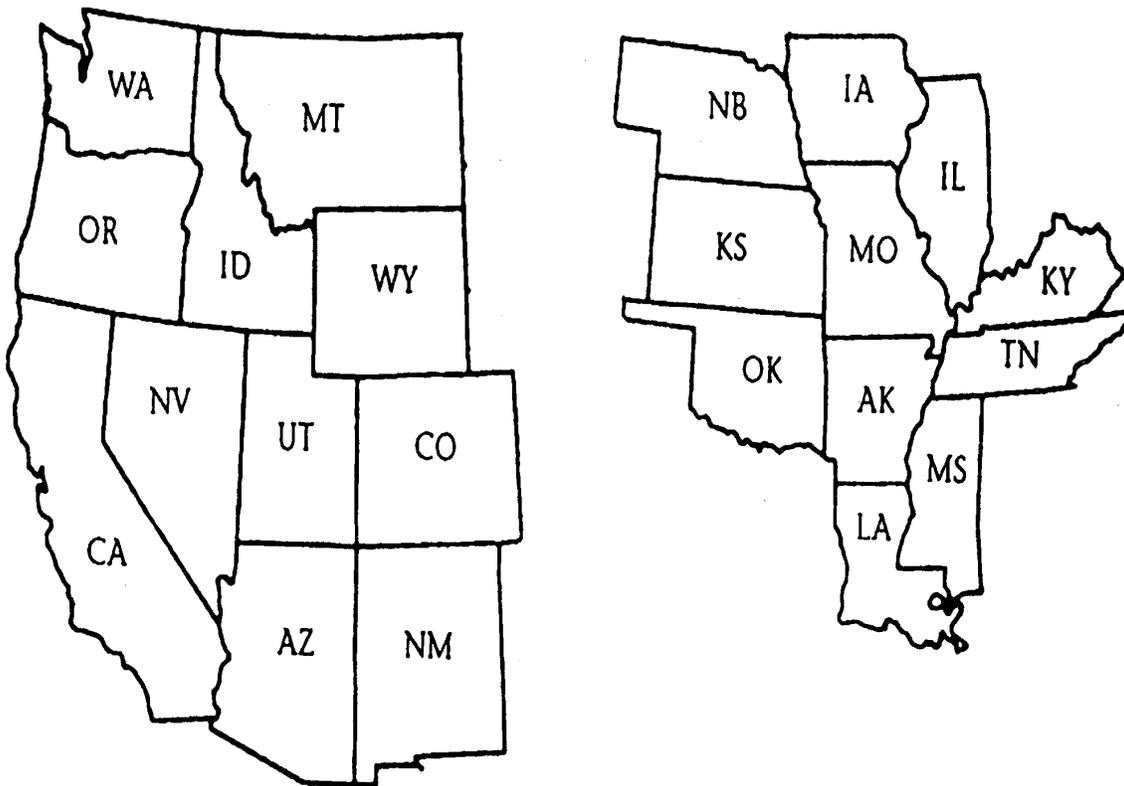
## MAP CHALLENGES

A cartographer is an individual who makes maps. Using colors on maps is very expensive, so mapmakers try to use as few colors as possible.

### Map-coloring Rules

- Use as few colors as possible.
- Areas that share a border may not be the same color.
- Areas that meet at a point (or corner) may be the same color.

Look at the two partial USA map designs provided. Try to help the cartographer choose the fewest colors possible. Write the number of colors you need for each map next to that map. Then color the map.



[Source: A Guide to K-12 Program Development in Mathematics, Connecticut State Department of Education]

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