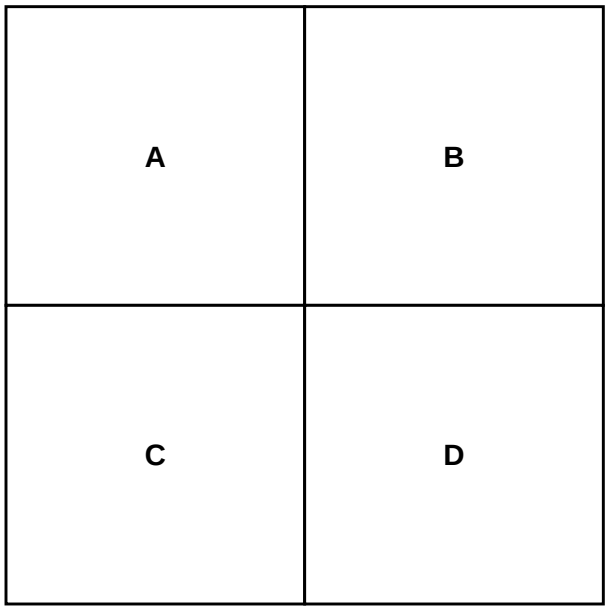
Four color theorem

Name: _____ Date: _____

Shared edge = different colors. Corners may match. Leave the outside white.

1. Corners do not count



My fewest colors: _____

Why can I not use fewer?

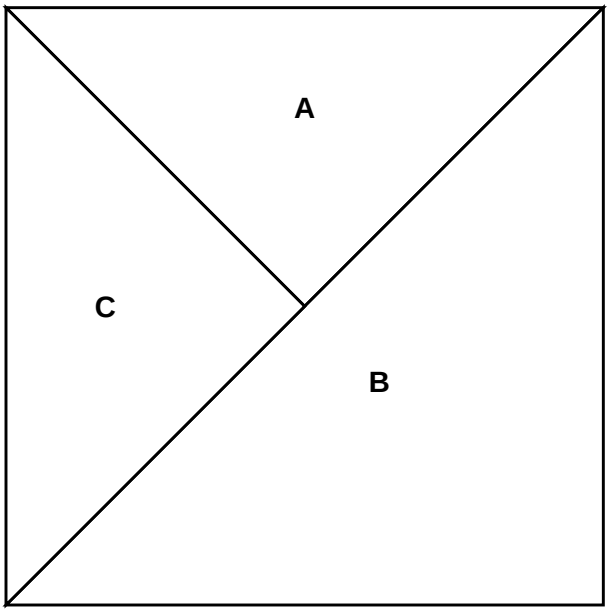
_____

_____

_____

_____

2. Three neighbors



My fewest colors: _____

Why can I not use fewer?

_____

_____

_____

_____

Four color theorem

Name: _____ Date: _____

Shared edge = different colors. Corners may match. Leave the outside white.

3. More regions, same two colors

A	**B**	**C**
D	**E**	**F**
G	**H**	**I**

My fewest colors: _____

Why can I not use fewer?

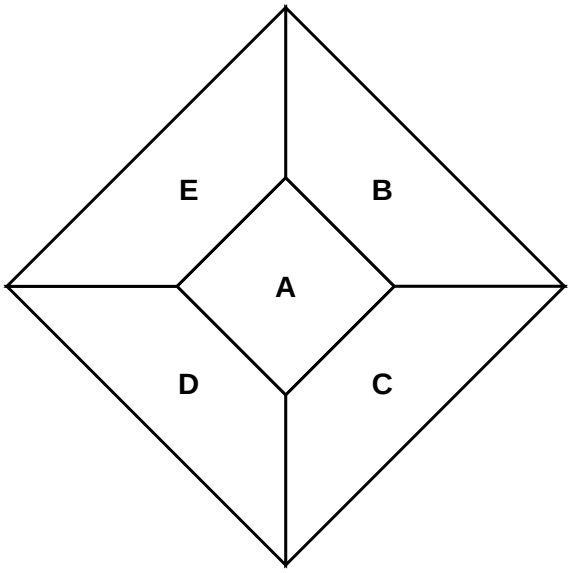
_____

_____

_____

_____

4. An even ring



My fewest colors: _____

Why can I not use fewer?

_____

_____

_____

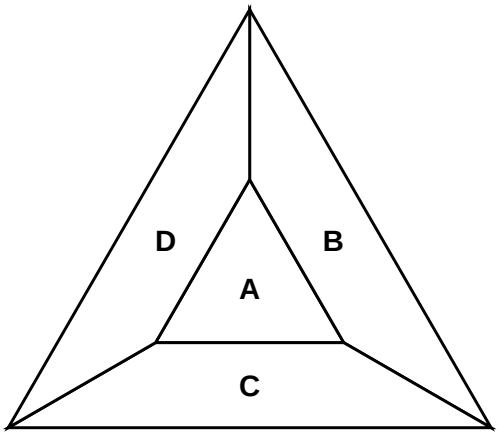
_____

Four color theorem

Name: _____ Date: _____

Shared edge = different colors. Corners may match. Leave the outside white.

5. Four mutual neighbors



My fewest colors: _____

Why can I not use fewer?

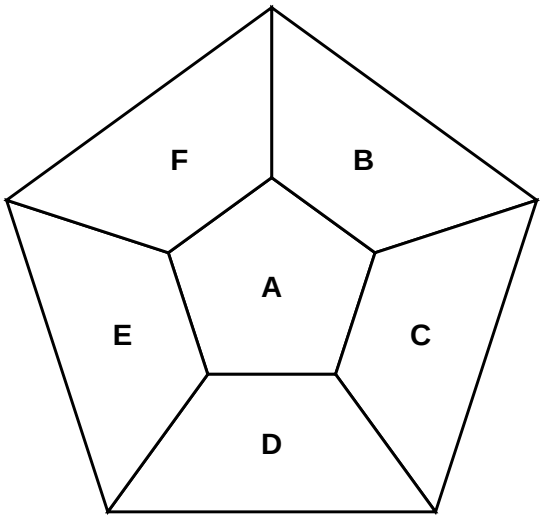
_____

_____

_____

_____

6. An odd ring



My fewest colors: _____

Why can I not use fewer?

_____

_____

_____

_____