

Map Colouring Instructions!

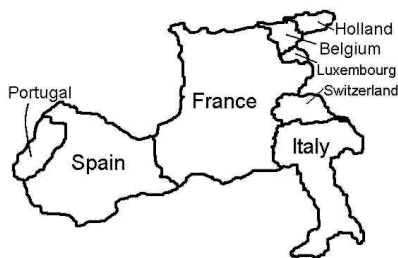
Split your team in half and get map graphs from a tutor, one for each half of your team to work on!

Assigning teams to your game map is harder than you think! Remember that areas that are touching can't have the same team/colour and we want as few teams as possible.

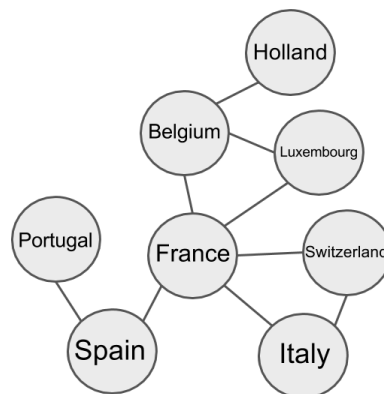
There are 2 steps in colouring a maps

1. Turn your game map into a graph!

We need to get all the information about which areas are neighbours in a graph



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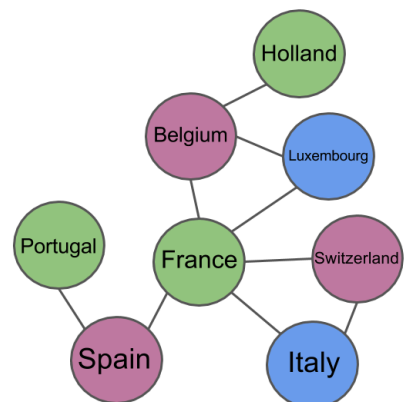
2. Do a Graph Colouring

Colour each circle!

Areas with a line between them must be different colours because they share a border.

Only 3 colours needed!

There are many possible solutions



Once you have solved both of your graphs, go back to the tutor to get your answer checked and get a chance to collect a coin!