

# Computers in Math

Computers are just really big, powerful calculators! Mathematicians (professional math problem solvers), use computers and computer code to solve very complex math problems.

The first math problem ever solved by a computer was the **4-color-theorem**

This problem is so fun and easy, I bet you can solve it!

The **4-color-theorem** proves that you can fill in the states or regions of ANY map with only 4 colors, and no 2 sections of the map with the same color will touch!

This was proven with the help of a computer in 1976 by Kenneth Appel and Wolfgang Haken. Since this mathematical proof, computers are a tool that mathematicians use daily!

So next time you are solving math problems, you can use the excuse that professional mathematicians use a calculator to solve problems, so you should too!

**Can You solve the 4-color-theorem problem?**

# Try it out!

Color each state in the map using only 4 colors.

Make sure no two states of the same color are touching!

