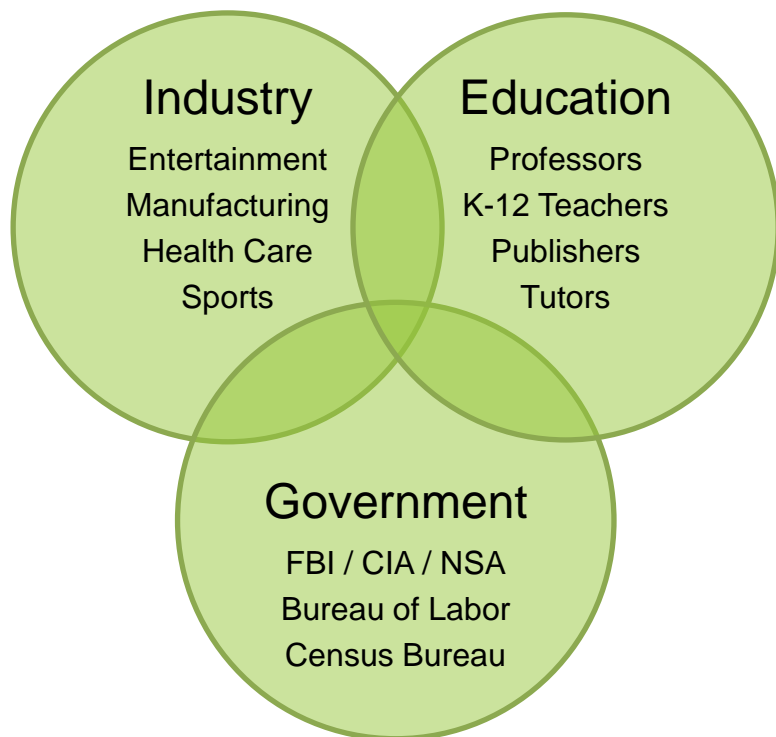


## STEP 4: Learn about Careers in Mathematics

Mathematicians work in a diverse variety of careers. The largest single employer of mathematicians in the U.S. is the National Security Agency (NSA). Some of the work done by NSA mathematicians involves solving problems related to signals and codes, as well as developing algorithms and other methods to protect important national security information. A few examples of areas in which mathematicians work are shown below.



**Math in the entertainment industry? Did you know that mathematicians help create some TV shows and movies? They can be found in many entertainment jobs: writers, producers, directors, special effects artists, and technical advisors—even actors.**

**Actress Danica McKellar has a degree in math, has written several math books and has a theorem named after her!**



**What kind of jobs did the speakers talk about?**

What kinds of problems and jobs did the women use math for? Write down one or two.



**What kind of job would you like to do in the future?**

Write down one or two.