

## Final Exam Research Session - Unsolved Question

# CONTROVERSY

- Unsolved problem or question (yes/no or 2 responses)
- Interdisciplinarity and interesting images
- List of pros and cons that are researched and cited
- Conclusion—majority scientific opinion and your own belief. Summarize or discuss possible plans or approaches.
- Annotated bibliography

*After researching the topic I have found that the chances of perfect odd numbers existing are considered very slim by most. Most researchers that even tried to find odd perfect numbers always end up restricting the chances of there actually being one. Since there are an endless supply of numbers I believe that there could be a day where we find one. The only thing I see preventing this is if someone finds a limit to how high the number can be.*



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- Does life exist on other planets?
- Will we stay alive longer?
- Does dark matter exist?
- Should we use creatine?
- Do we need to eat fruits and vegetables?
- Should we be wearing shoes when we exercise?
- Is the universe flat?
- Is  $P=NP$ ?
- Is the Goldbach conjecture true?

## Should we increase the number of Science, Technology, Engineering, and Mathematics (STEM) graduates?

### Yes:

- The U.S. must ensure a continuous supply of highly trained STEM workers and a STEM literate population in order to maintain its global economic leadership [American Competitiveness Initiative, 2006].
- Foreign workers make up an increasing share of STEM and Health PhDs and jobs in the U.S. [Butz, 2003; Freeman, 2009]

### No:

- The STEM shortage is a myth because shortages and surpluses resolve themselves via market trends [Rockwell, 2006].
- Such predictions date to the Sputnik era, but none of the past predictions of shortages have come true [Benderly, 2010]

- The type of publication
- Brief summary of the reference
- The credentials of the authors

Snyder, D. (2007). "Technology Firm Executives Say Immigration Barriers Hurt America." Fox News.

News Article.

Bill Gates and leading members of other technology companies advocate an increase in H1-B visas in order to increase the number of workers and supply the demand for the shortage in the domestic workforce.

Donald Snyder is a journalist for Fox News.

Bill Gates was the chairman and co-founder of Microsoft and he previously worked as a programmer. He attended 2 years of college and published an article in theoretical computer science.