



How to Learn Mathematics ?

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Agenda



- What is Mathematics?
- How to learn math?
- Why to learn math?
 - Math Competitions
 - RSA Factoring Challenge
 - Eternity II
- Who can learn math?

What is Mathematics?

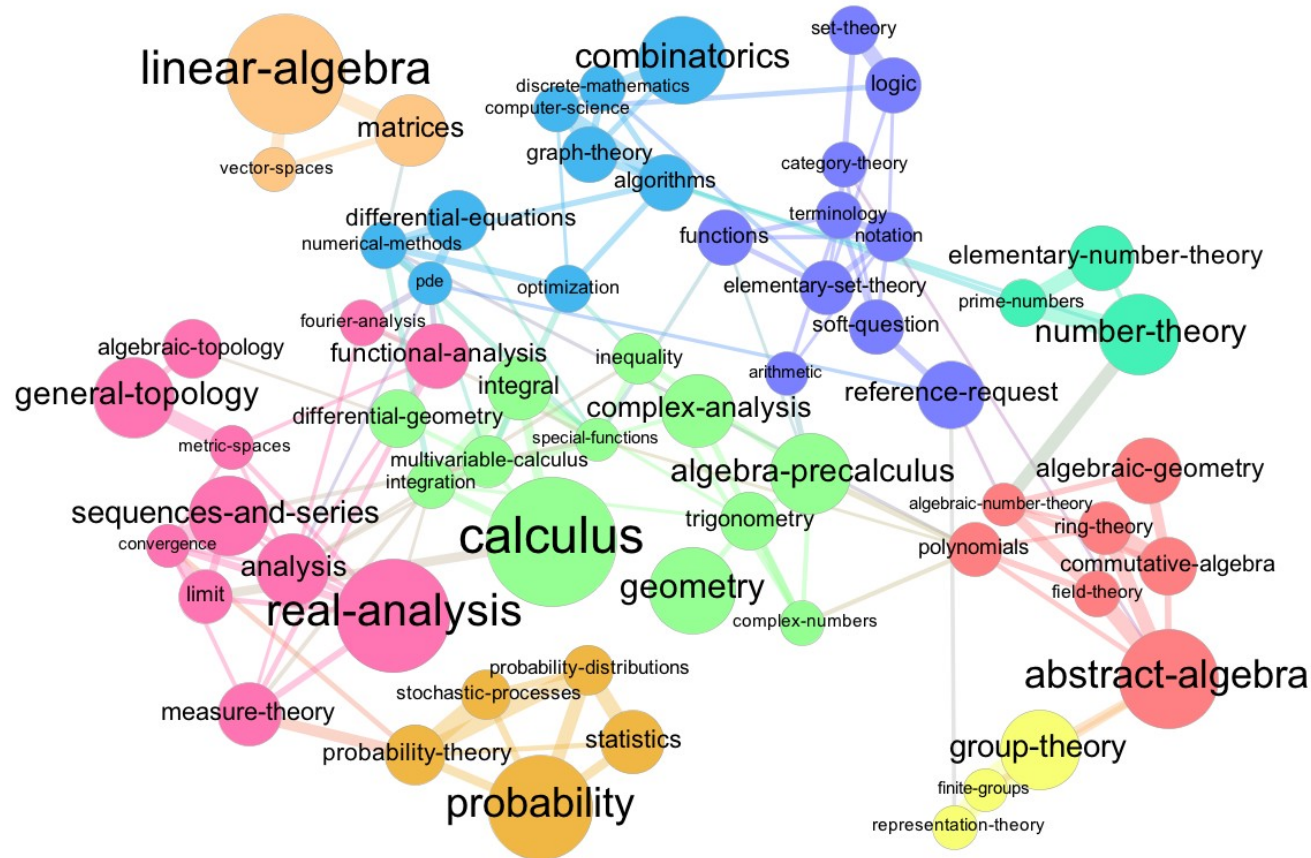


- Mathematicians seek out patterns and use them to formulate new conjectures.
- Mathematicians resolve the truth or falsity of conjectures by mathematical proof.
- When mathematical structures are good models of real phenomena, then mathematical reasoning can provide insight or predictions about nature.

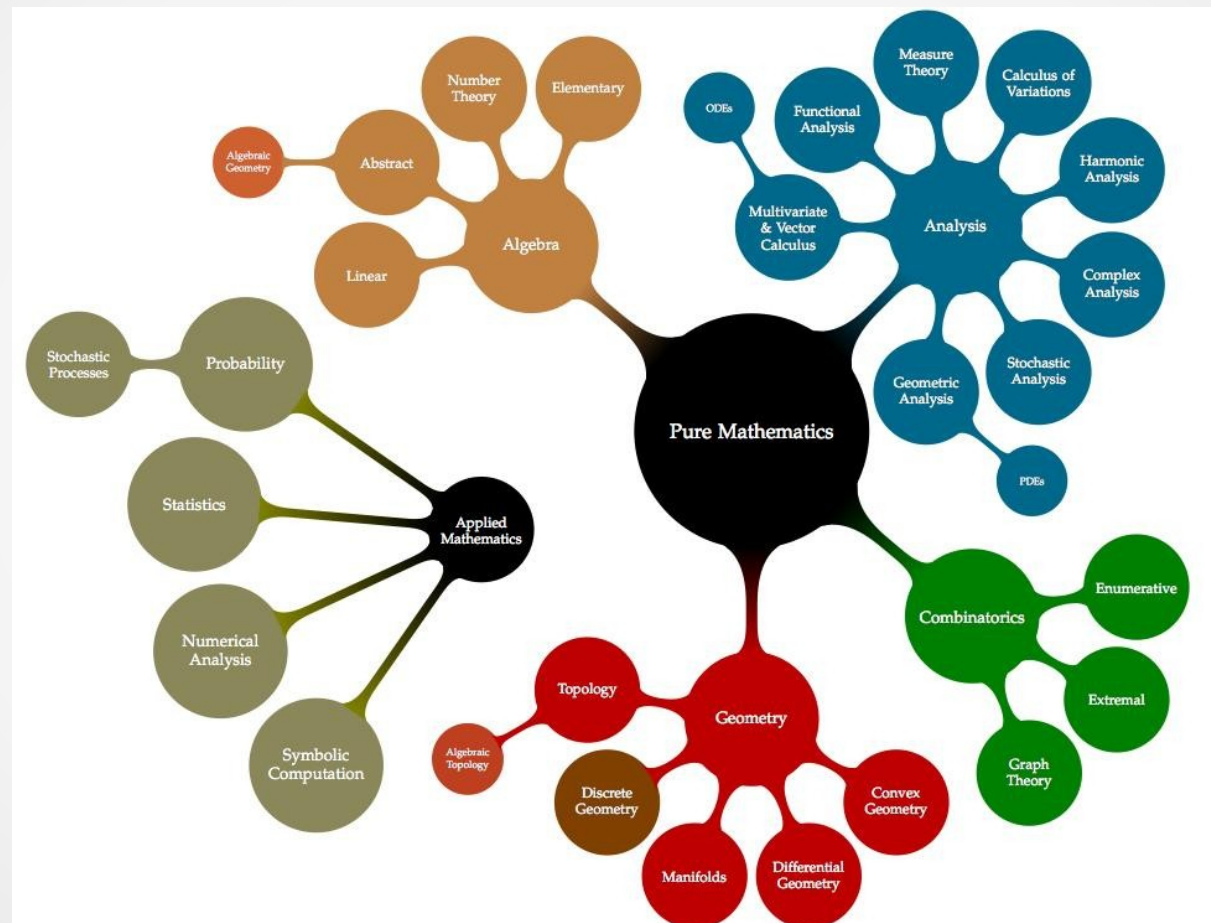
What is Mathematics?



What is Mathematics?



What is Mathematics?



How to learn math?



- Get motivated, start, and take the right way!
- Do not worry about language barrier
 - Math is a universal language
- Find the suitable resources
 - Books
 - Online Resources

Why to learn math?



- Math is life!
- Math is fun!
- Math makes money!

Math Competitions



- There are 10's of national, regional, and international math competitions out there



RSA Factoring Challenge



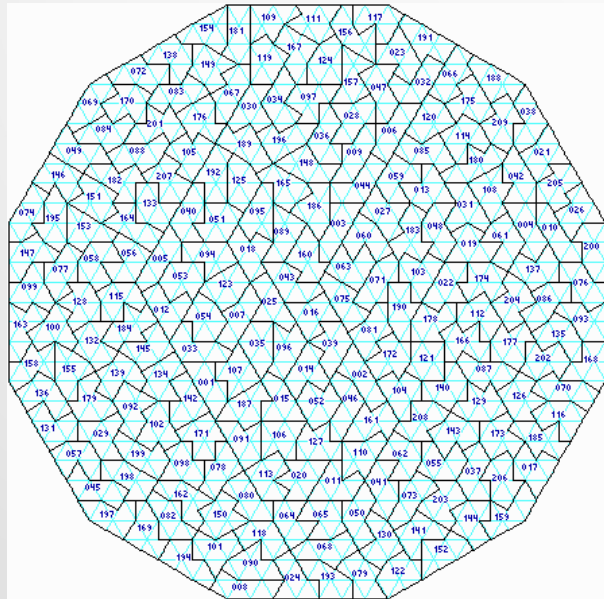
- RSA Laboratories states that: for each RSA number n , there exist prime numbers p and q such that
 - $n = p \times q$
- The problem is to find these two primes, given only n .



Eternity II



- A \$2 million prize puzzle by TOMY UK Ltd
- An edge-matching puzzle which involves placing 256 square puzzle pieces into a 16 by 16 grid
- A sequel of Eternity I, a \$1 million prize puzzle won by two mathematicians from Cambridge in October 2000.



Who can learn math?



- Anyone can learn math!

