MATH FUN FOR EVERYONE
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I. Introduction
• Pleasure to speak to you today, and welcome you all to what I hope will be some fun with mathematics.

• It is not well known that mathematics is a subject that can be fun, interesting, and beautiful. If I succeed today, you will leave here with a little better feeling that that's the case.

• To those of you who think " I could have given that talk!" feel free to put in your 2¢ worth to help me out whenever you feel like it.

• I have decided I won't charge for some of the cartoons I'm going to throw in from time to time, so if you don't like them you can at least be sure they were worth what you paid for them.

• My approach today is select 6 different areas of Mathematics, describe them in non-technical terms, and present a couple of ideas from each area.

So here goes. The first area is Arithmetic!

II. Arithmetic
(Definition, Warm up, $1 words for fun)
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III. Algebra
(Definition, Find shoe size and age puzzle, prove 2 = 1)

IV. Number Theory
(Definition, Fibonacci Sequence- origin, sequence in nature[flowers, sunflowers, bees, rabbits, trees-

spirals; shell, Trump; Real world applications
Kelly Wave Theory in predicting stock prices)

V. Geometry
(Definition, Golden Ratio, Golden Rectangle,
Golden Ratio in our world- Parthenon, Great
Pyramid, People,
Golden Ratio and Fibonacci Sequence,

VI. Probability
(Definition, Odds on Horses, Birthday Problem)

VII Topology
(Definition, Coffee cup and donut. Mobius Band,
Take off Vest without taking off coat.)

VIII Conclusion