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Title: Wait.. That can't be right!!
Abstract: I will talk about several paradoxes and surprising theorems in mathematics, and use them
to illustrate the importance of axioms, of proofs, and of even defining what is a proof. The examples
will be mostly (but not exclusively) from ZFC (Zermelo-Fraenkel set theory with the axiom of
choice) and Peano arithmetic. There might also be a puzzle about Smurfs. No prerequisites are
necessary.