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Quirky Mathematics: Its Joy and its Pedagogical Value.

Great depth of understanding often comes from pushing concepts to the edge – and beyond! In this presentation we'll examine a sample of curriculum tidbits quirkily pushed to the arena of creative and innovative exploration. How many degrees are in a Martian circle? What is pi for a square? Let's explore squine and cosquine. Can we complete the triangle rather than complete the square? (What is the quadratic formula in Klingon?) If $0.9999\dots = 1$, then what is $\dots 99999$? Can we bring back the vinculum please? Simple and natural turns to standard classroom questions provide an opportunity to unite powerful math circle doing and K-12 classroom practice—a goal that is beautifully aligned with the aim and purpose of the Common Core State Standards. (Received August 28, 2014)