

1116-97-2968

William G. McCallum* (william.mccallum@gmail.com). *From the ark of history to the arc of reasoning.*

School mathematics is a summation of centuries of investigation. What was once the frontier of knowledge is now taught to school children. The challenge of school mathematics education is preserving the knowledge distilled from history without recapitulating that history with all its turns and cul de sacs. In this talk we will describe one arc in school mathematics from fractions in elementary school to functions in high school. (Received September 23, 2015)