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Una Bray* (ubray@skidmore.edu), Una Bray, Dept. Mathematics and Computer Science, Skidmore College, Saratoga Springs, NY 12866. *Adventures in Proofs with Sixth Graders.*

Adventures in Proofs with Sixth Graders For the past seven years I've been lucky enough to be invited into the classrooms of several K-6 teachers in my local school. I've spent several hours of each week doing enrichment activities with the children and their teachers. Last year, in response to a questions raised by students about the meaning of the word proof, I worked with two groups of sixth grade students to see how far I could go in "doing a proof". In this talk I'll give a complete list of the topics and proofs covered, talk about the reactions of the sixth graders to the proofs, and tell you what they learned from me and I learned from them. (Received September 15, 2000)