1023-I1-1497 Mike Pinter\* (pinterm@mail.belmont.edu), Dept. of Mathematics and Computer Science, 1900 Belmont Blvd., Nashville, TN 37212. A Problem-Solving Project for a General Education Course. Students in several courses I teach are assigned problems for a project in which they explore solutions to some relatively "open-ended" problems. Due to the nature of the courses, project problems require little algebra and no calculus; instead, they typically require general problem solving skills. Most of the problems are from discrete mathematics or elementary number theory; a sampling of such problems will be provided. Students are instructed to supply written solutions accompanied by appropriate narrative to support the solutions, with their classmates as the designated "audience" for the written results (that is, they are to give enough details in explanations so that a classmate could follow the lines of reasoning). Depending on the course, students also orally present the results of their work in class or in a private session with me. One source of project problems for the project. In addition to giving students the experience of writing and presenting careful solutions to some interesting problems, a primary goal of the project is for students to experience the spirit of mathematics in a way that's similar to how mathematicians experience it. (Received September 26, 2006)