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Michael J. Caulfield* (caulfiel1001@gannon.edu), Department of Mathematics, Gannon University, 109 University Square, Erie, PA 16541. *Apportioning Seats in the U.S. House of Representatives.*

The U.S. Constitution mandates a decennial census. Results of the census are used to apportion seats in the U.S. House according to the populations of the states. But each state's share of the total U.S. population cannot equal its share of House seats since no partial seats are awarded. Various methods have been proposed, and used, throughout U.S. history to apportion these seats. We examine several of these methods by means of spreadsheet applications that are available for student use. (Received August 27, 2008)