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Thomas Q. Sibley* (tsibley@csbsju.edu), Mathematics Department, St. John's University, Collegeville, MN 56321-3000. *Puzzling Groups*.

We explore a family of puzzles, from easier ones that familiarize students with groups to more challenging ones. These puzzles involve interconnected wheels that permute pieces. Abstract algebra students enjoy working on the easier puzzles, which lead naturally to the more complicated ones. (Received September 06, 2010)