1147-05-353 **Yevgenia Kashina** and **T Kyle Petersen*** (`tpeter21@depaul.edu`), 2320 N. Kenmore, Chicago, IL 60614, and **Bridget Tenner**. *Farey Permutations.*

Pick a random line in the plane and consider the sequence of fractional parts of points on the line with x-coordinates $0, 1, \ldots, n$. This is a list of $n + 1$ real numbers between 0 and 1, which can be sorted into increasing order with a permutation π. Which permutations can arise this way? How many are there?

This is closely related to questions studied separately by Sós, Samuels and Steele, and recently Shutov. (Received January 21, 2019)