

1106-20-1667 **Mark Sapir*** (m.sapir@vanderbilt.edu), Vanderbilt University. *Tarski numbers of groups.*

The Tarski number of a non-amenable group is the minimal number of pieces in a paradoxical decomposition. We show how to construct (2-generated) non-amenable groups with arbitrary large Tarski numbers and also groups with Tarski numbers 5 and 6. This is a joint work with M. Ershov and G. Golan (Received September 14, 2014)