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Charles Camacho* (camachoc@math.oregonstate.edu), 1605 East Olive Street, Apartment 208, Seattle, WA 98122. *Dessins d'Enfants, Topological Cyclic Actions on Surfaces, and Counting Quasiplatonic Surfaces*. Preliminary report.

A *quasiplatonic* group is a finite group G which acts topologically on a surface X whose orbit space X/G is homeomorphic to a sphere. Using results of R. Benim and A. Wootton, we present current work on formulas enumerating the distinct quasiplatonic topological actions of the cyclic group of order n on compact Riemann surfaces of genus at least two. We demonstrate the connections between counting group actions, distinguishing quasiplatonic surfaces, and enumerating regular dessins d'enfants (equivalently, hypermaps or bipartite maps) embedded on these surfaces. (Received February 03, 2018)