Muchnik and Medvedev reducibility are equivalence relations between mass problems, or sets of functions, of similar computational difficulty. In this talk we will discuss notions of the size of a mass problem, namely the properties of smallness, cardinality, and a new property, d-smallness. We will present some results on the relationship between the difficulty of a mass problem and its size under these notions. (Received August 03, 2005)