We consider the child support problem of how to divide parents’ pooled resources based on the time spent by the child with each parent. We define several natural axioms that such an allocation function should satisfy and analyze a class of functions used by the State of Michigan that satisfy these axioms. Although this axiomatic approach does not fully characterize the functions used by the State of Michigan, other functions in this class are of interest. We explain how the additional properties of the allocation function may effect the behavior of the parents, and how this may be used to achieve specific social goals by a state. (Received September 22, 2015)