Ordinal responses are commonly used in health, social and business surveys to measure performance, behaviour, attitude and opinion, severity of diseases and health conditions. Missing values are also commonly encountered for those types of surveys. There have been new development on strategies for handling missing survey responses, including parametric and nonparametric fractional imputation, but nothing has been specifically studied for ordinal responses. In this paper we investigate strategies for handling missing ordinal responses and the subsequent statistical analysis of imputed survey data. Our discussions focus on validity and efficiency of the methods, and explore different scenarios between the nonresponse models and the main statistical models.