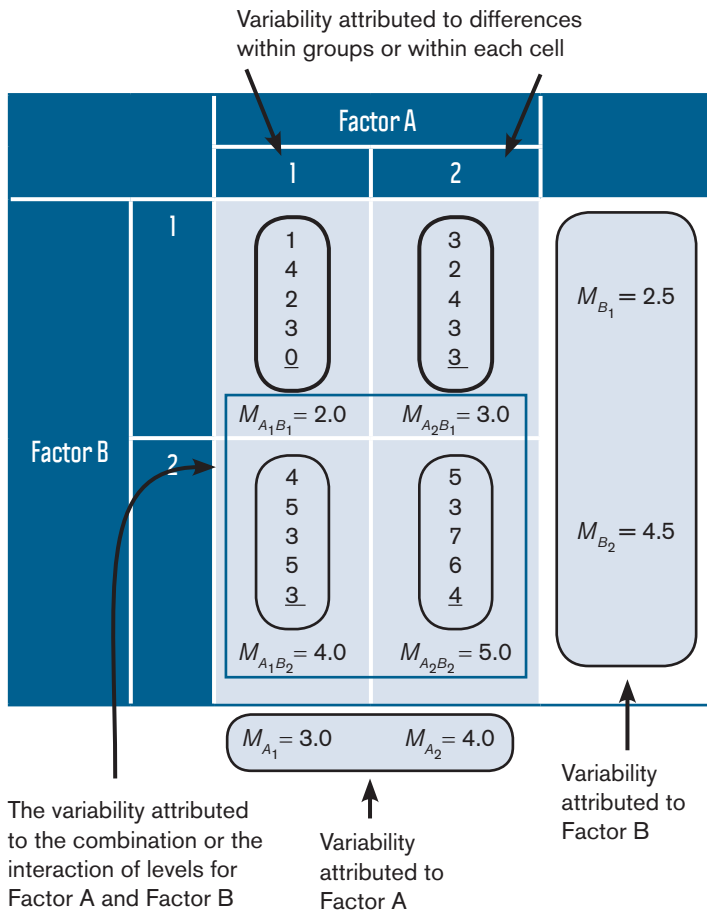


TABLE 14.7

## A Crosstabulation Illustrating the Sources of Variability in the Two-Way Between-Subjects ANOVA



The within-groups (or error) variation is associated with differences in participant scores within each cell, which has nothing to do with differences attributed to having different groups. The other three sources of variation are associated with differences between group means: one for Factor A (main effect), one for Factor B (main effect), and one for the combination of levels for Factors A and B (interaction).