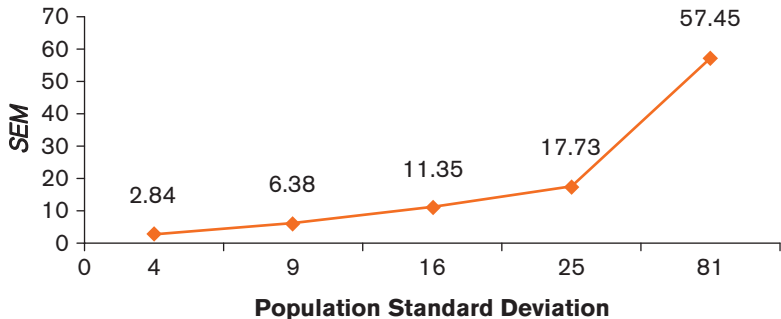


FIGURE 7.7 Population Standard Deviation and SEM



As the standard deviation in the population decreases, the standard error of the mean (*SEM*), or the distance that sample means deviate from the population mean, also decreases.