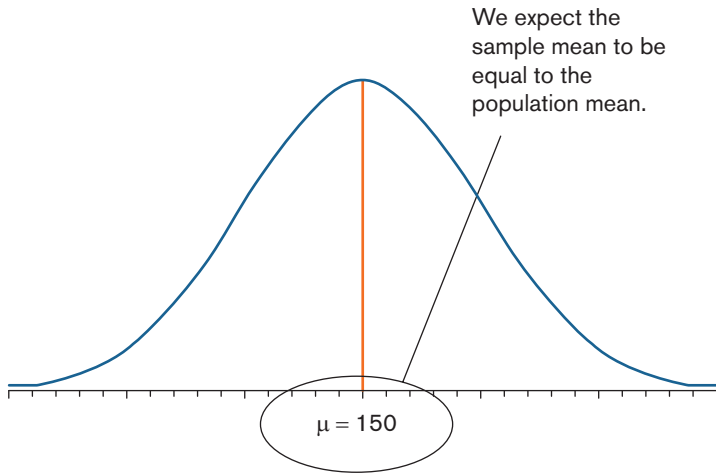


**FIGURE 8.1**

## The Sampling Distribution for a Population With a Mean Equal to 150



If 150 is the correct population mean, then the sample mean will equal 150, on average, with outcomes farther from the population mean being less and less likely to occur.