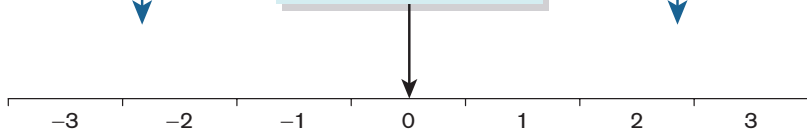


**FIGURE 11.4** Estimation

**Sample mean.**

Measure a sample mean. In this example,  $M = 0$ .



Identify the range of mean values within which a population mean is likely to be contained.

In estimation, we measure a sample mean and standard error to determine a range of mean values within which we can be confident some fixed but unknown population mean is contained.