Vocabulary: Estimating Population Size



**Vocabulary**

* Percent error – the difference between an estimated value and the true value, expressed as a percent.
	+ Use the following equation to calculate the percent error:

 percent error =  • 100

* For example, if the actual value is 200 and the estimated value is 175, then the percent error is calculated as follows:

 percent error =  • 100

 =  • 100

 = –12.5%

* + A negative percent error means the estimated value is less than the actual value.
	+ A positive percent error means the estimated value is greater than the actual value.
* Population – an entire group of objects or individuals.
* Sample – a part of a population selected to represent the population.