

## Vocabulary

Gizmos

- <u>Percent error</u> 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 = 
$$\frac{\text{estimated value} - \text{actual value}}{\text{actual value}} \cdot 100$$

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

percent error = 
$$\frac{175 - 200}{200} \cdot 100$$
  
=  $\frac{-25}{200} \cdot 100$   
=  $-12.5\%$ 

- 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.
- <u>Population</u> an entire group of objects or individuals.
- <u>Sample</u> a part of a population selected to represent the population.