

Probability – how likely it is that a particular event will occur

$P(\text{event}) = \text{Probability of an event}$

Outcome – event

Theoretical probability - $\frac{\text{the number of favorable outcomes}}{\text{Total number of outcomes}}$

http://www.phschool.com/atschool/academy123/english/academy123_content/wl-book-demo/ph-871s.html

Experimental probability – probability based on data collected from repeated trials

$\frac{\text{The number of times an event occurs}}{\text{The number of times an experiment is done}}$

http://www.phschool.com/atschool/academy123/english/academy123_content/wl-book-demo/ph-160s.html