## Theoretical vs Experimental Probability

Theoretical:

Experimental:

ex 1:



	Color	Frequency
	Red	10
	Yellow	14
	Blue	6

ex 2: A dentist calculated that over the past 3 years she saw 4800 patients and 720 of them had cavities.

What is the probability that the next patient has a cavity? Is this theoretical or experimental?

## Venn Diagrams

These are often used to represent situations mathematically

