The Law of Large Numbers:

$$\lim_{n \to \infty} P\left(\left|\bar{X}_n - \mu\right| > \epsilon\right) = 0$$

Where:

- $\bar{X}_n$ is the sample mean.

- μ is the population mean.

- ϵ is any positive number.

- n is the number of trials.

- P denotes the probability.