Max’s Probability Playground

Master the Math of Maybe with Max the Monkey!

- **The probability of an event happening is always between 0 (impossible) and 1 (certain).**
- **To find the probability of an outcome, divide the number of successful outcomes by the total number of possible outcomes.**
- **If you roll a standard six-sided die, the probability of rolling a four is 1/6.**
- **Probabilities can be written as fractions (1/4), decimals (0.25), or percentages (25%).**
- **If two outcomes are equally likely, like flipping a coin, each has a probability of 0.5.**
- **The sum of all possible outcomes in a probability experiment always equals 1 (or 100%).**

Did you know? Did you know that probability is measured on a scale from 0 to 1? An event that is impossible has a probability of 0, while an event that is absolutely certain has a probability of 1. If you flip a fair coin, the probability of getting heads is 1/2, which is the same as 0.5 or 50%!

Key vocabulary: Probability · Likelihood · Outcome · Certain · Impossible · Event · Fraction · Percentage