

Lesson : Probability

SWBAT: Determine the probability of a given event.

Vocab:

Probability: _____.

Theoretical probability: _____.

Experimental probability: _____.

Probability:

- Probability is almost always written as _____. The numerator is the _____ and the denominator is however many _____ there are.
- If an event is absolutely certain to happen, the probability is _____. If today is Monday, the probability that tomorrow is Tuesday is _____.
- If an event is uncertain, guaranteed to _____, the probability is _____. If today is Monday, the probability that tomorrow is Friday is _____.

Coin toss: There are ____ sides to each coin. When you flip it there are 2 possible outcomes, _____. The probability that it will land on one of those sides would be _____.

Dice roll: There are ____ sides on a standard dice. When you roll it, only one of those sides will face up. The _____ of rolling any number on a dice would then be ____ out of ____, or $\frac{1}{6}$.

Cards: There are _____ cards in a standard deck. There are 4 different _____; hearts, diamonds, spades and clubs. There are also 4 of each type of card in the deck. The chance of drawing a king would be _____, the chance of drawing the king of hearts would be _____.

Theoretical probability and experimental probability can, and often are _____. The more experiments you do the closer you will get to the theoretical probability.