

Activity 8 Assessment

Writing Experimental Probabilities

Writing Experimental Probabilities

Identifies and counts the desired outcomes in a probability experiment

Tossing two heads

Trial	Outcome
1	T, T
2	H, H
3	T, T
4	H, H
5	T, T
6	T, T
7	H, T
8	H, H
9	T, H

The outcome H, H occurred 3 times.

Represents a probability as a fraction

As a fraction, the experimental probability of H, H is three out of line, or $\frac{3}{9}$.

Converts a fraction to a decimal

$\frac{3}{9}$ is the same as $\frac{1}{3}$, which is 0.333 3...

As a decimal, the experimental probability of H, H is approximately 0.333 or $0.\overline{3}$.

Expresses a probability as a percent, and a ratio

$\frac{1}{3} = 0.333\dots \approx 33\% \approx 1 : 3$

As a percent, the experimental probability of H, H is approximately 33%.

As a ratio, the experimental probability of H, H is $3:9 = 1:3$.

Observations/Documentation