Statistics and Probability

Activity 7 Assessment

Writing Experimental Probabilities

Writing Experimental Probabilities

Identifies and counts the desired outcomes in a probability experiment	Represents a probability as a fraction	Converts a fraction to a decimal	Expresses a probability as a percent, and a ratio
Tossing two heads 	Trial	Outcome
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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.	As a fraction, the experimental probability of H, H is three out of 3… line, or $\frac{3}{9}$.	$\frac{3}{9}$ is the same as $\frac{1}{3}$, which is 0.333 As a decimal, the experimental probability of H, H is approximately 0.333 or $0.\overline{3}$.	$\frac{1}{3}$ = 0.333… ≈ 33% ≈ 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