

Probability Activity

5 minute introduction about the differences between theoretical and experimental probability

What situations might you need probability?

Where in daily life have you experienced or thought about probability?

What is probability?

What are the differences between theoretical and experimental probability?

10 minute activity asking students to work in pairs

I was going to create a simple table asking them to record their results (number of flips [5, 10, 100, number of their choice], heads or tails, totals and probabilities)

5 minute discussion about their findings

What did you find while completing this activity?

What are some things that you questioned?

Were the experimental and theoretical probabilities different? Why or why not?

What might allow for the probabilities to be more closely matched?

How does probability impact your experiences outside of class?

Number of tosses	Number of tails	Probability of getting tails
5 tosses		
10 tosses		
100 tosses		

Please use the space below to write your thoughts and questions as you complete the activity. What are you thinking about? What do you notice?

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