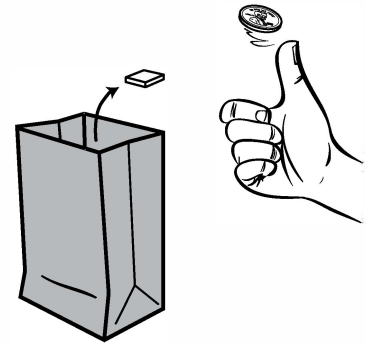


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Rafael put 4 tile in a bag, one green, one red, one yellow, and one blue. Then he shook the bag to mix the tile.

If he flips a penny and pulls 1 tile out of the bag without looking, what is the probability that the penny will land on heads and the tile he pulls out will be green?



What do you have to do to find out?

To determine probability, you need to know all the different things that can happen. A list of all the possible outcomes is called a *sample space*.

You can make a sample space for a probability experiment by thinking of all the possibilities and writing them down. Here are two other methods:

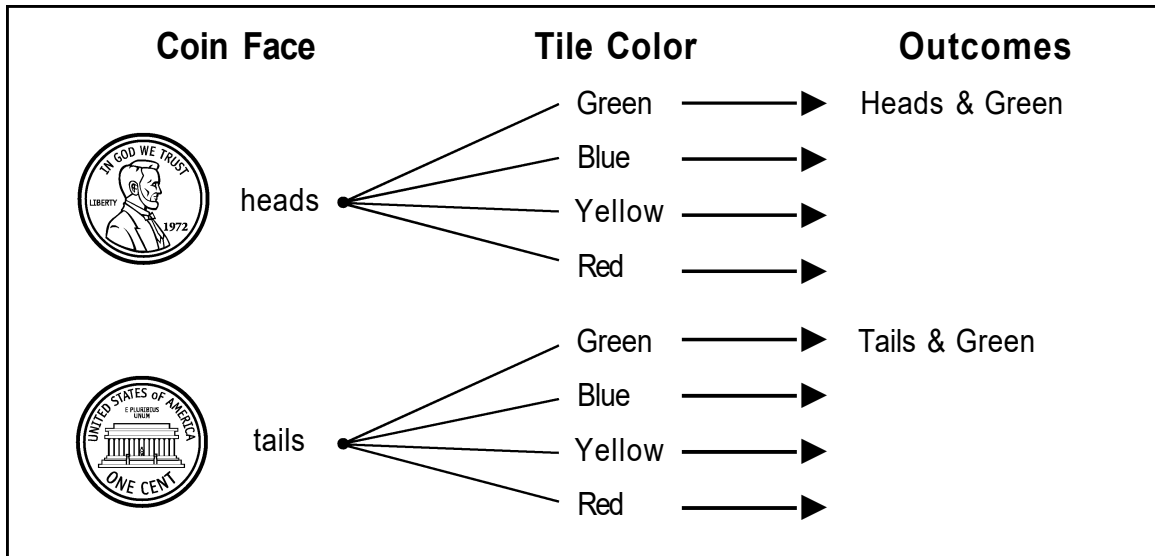
1 Make a chart.



	Green	Red	Yellow	Blue
Heads				
Tails				

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2 Make a tree diagram.



3 If Rafael flips a penny and pulls 1 tile out of the bag without looking, what is the probability that the penny will land on tails and the tile he pulls out will be blue? How do you know?

