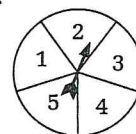


1. In the school elections, Li, Frank, and Susannah are running for president, Jaleeah, Ty, and Khalid are running for vice president, and Andrew and Zuleika are running for secretary-treasurer. How many different slates of officers are possible?
2. Madison High School's colors are gold, white, and blue. Most athletic team's uniforms consist of a jersey and pants or a jersey and skirt. The basic color of each item must be one of the school colors. How many different combinations are possible for each uniform?
3. The members of a garden club are voting on a club emblem. Members will choose a rose, tulip, or carnation in either pink, red, yellow, or white. How many emblem choices are possible?

The spinners shown are spun and the numbers are added.
How many outcomes are there for each event?



4. The sum is 9.

5. The sum is less than 5.

* Make tree diagrams for 1+2.
Make systematic lists for 3-5.