Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Experimental Design Practice

3. Cornhole is a tailgate/lawn game in which players take turns throwing bags of corn at a slanted platform with a hole in the far end to score points. Ms. Brown is a beast at Cornhole. Obviously, the regular Cornhole bags are stuffed with corn. Ms. Brown wanted to try stuffing the bags with other materials to see if she could dominate her competition even more. She stuffed one set with jellybeans, another with copper BBs, and a last set with sand. She used the same corn hole set for each trial and always kept the slanted boards the same distance apart. During the experiment, she always played against the same people – Coach Brooks, Mrs. Hines, and Coach Davis. Stay tuned for the experimental results.

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| Independent Variable | Dependent Variable |
| Constants (3) | Control |

4. Brittany wanted to find out which wheels were best for her skateboard. She purchased 4 sets of new wheels of different brands. She and a friend set up a slalom course in the church parking lot next to her house. Brittany rode through the course 5 times on each set of wheels. Her friend timed her with a stopwatch and recorded the times. They then averaged the times for each wheel to see which was best for her skateboard.

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| Independent Variable | Dependent Variable |
| Constants (3) | Control |