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*'Chute Me*

The purpose of this project was to see which design of parachute, circle, square, or rectangle, all being the same surface area of 452 inches squared, will slow down a weight of 100 grams the most, all being dropped from 13 feet and 6 inches above the ground, after averaging the three times together. First, I made three different parachutes, circle, square and rectangle all being 452 inches for the surface area. Second I went to a high location and measured exactly how high off of the ground I was. I was 13 feet and 6 inches exactly. Then I took the 100 gram weight and dropped it three times and averaged the time together. Then I cut 12 strings all being the same length and tied four strings to each parachute. Next I attached the weight to the strings of the circle parachute and tested the circle three times. Next I tested the square parachute three times and averaged those three times together. Then I tested the rectangle parachute. The weight tested an average time of .633 seconds, the circle time was 1.67 seconds, the square was an average of 1.73 seconds, the rectangle averaged a time of 1.36 seconds. The square parachute worked the best in my experiment.