

Probability Scavenger Hunt

This project will be done individually. You will be researching various concepts of probability as well as some careers that utilize it. All responses must be printed or typed on a separate sheet of paper. You must include the advertisements requested (they should be neatly taped or glued to the paper next to your explanation.) Number each of your responses and keep them in order. Both sides of the paper may be used.

QUESTIONS

1. What two mathematicians invented the probability theory?
2. What intrigued these mathematicians to investigate probabilities?
3. What's the title of the book that resulted from their inquiries?
4. What is the origin of the ! symbol for factorial? (HINT: The year was 1808.)
5. Find two newspaper or magazine ads items that cost more than p such that $10! = \frac{6!}{p}$.
6. Find something in a newspaper or magazine of two mutually exclusive events that are NOT complementary.
7. Name five careers that use probability. Give an example* of how it is used for each field.

* **NOTE:** Each example must have a citation. Citations may include book/magazine/journal title and page number, web sit URLs, or person's name and their occupation.