Confidence Interval Game

For each question below, write down a **low guess** and a **high guess** so that you are **90% sure** the real answer falls within your range.

👉 **Example:**
Question: How tall is the Eiffel Tower (in feet)?

- Low guess: 500 ft
- High guess: 1,200 ft
  (*The true height is 1,083 ft, so this interval captures the right answer.*)

Questions

1. According to Dyson, how many prototypes did James Dyson make of his vacuum?
2. How many episodes of *The Simpsons* are there?
3. How many confirmed kills did the Red Baron have before he was shot down in 1918?
4. How many In-N-Outs are in California?
5. What is the world record for how long someone has held their breath?
6. How many public school K–12 enrollments are there in Contra Costa County for the 2023/2024 school year?
7. In what year did the Chabot Space Center open?
8. According to Keeptahoeblue.org, how many miles of shoreline does Lake Tahoe have?
9. How many gallons are in the pool at Hearst Castle?
10. According to Overthecap.com, what were Jerry Rice's career earnings?