Logic Tournament — Strategy Analysis Worksheet

Name: _____ **Date:** _____

Round 1 Results

My character was: _____

Questions I asked (in order):

1. _____ Answer: Y/N → characters remaining: ___
2. _____ Answer: Y/N → characters remaining: ___
3. _____ Answer: Y/N → characters remaining: ___
4. _____ Answer: Y/N → characters remaining: ___
5. _____ Answer: Y/N → characters remaining: ___

Total questions needed: ___

Question Efficiency Analysis

An ideal question gives a 50/50 split — eliminates 12 whether the answer is YES or NO.

Question	If YES: remaining	If NO: remaining	Best case elim.	Worst case elim.
Has glasses?	24−10=14	24−14=10	14	10
Has long hair?				
Has blonde hair?				
Wears a hat?				
Has facial hair?				
Has wide smile?				
Has black hair?				

Which question gives the most even split? _____

Why is an even split ideal? _____

AND Queries

Write an AND query combining 3 attributes:

Hair = _____ AND Glasses = _____ AND Hat = _____

How many characters match? Count from the sheet: ___

Is this a useful opening query? Why or why not?

Round 2 Results

Strategy I used: _____

Total questions needed: ___ (vs Round 1: ___)

Did the strategy help? Yes / No / Marginally

CS Connection

How is this game similar to binary search?

A database query: `SELECT * FROM users WHERE country='UK' AND age > 18` What is the 'attribute' being filtered? What are the 'conditions'?