

COMPUTATIONAL THINKING: MESSY PROBLEMS

21. How much human hair has been on this planet since January 1, 1970?

5,000,000,000 Humans between 1970 and 2025

The average human has between 80,000 and 120,000 hairs on their body in their lifetime.

5,000,000,000 humans times the average lifetime amount of hair 100,000 =
500,000,000,000,000

56 years ago was 1970

63,140,000 deaths a year

3,535,840,000 deaths since 1970

62% of deaths among 25–44-year-olds

50,000 hair 60% = 2,121,504,000 people hair = 106,075,200,000,000

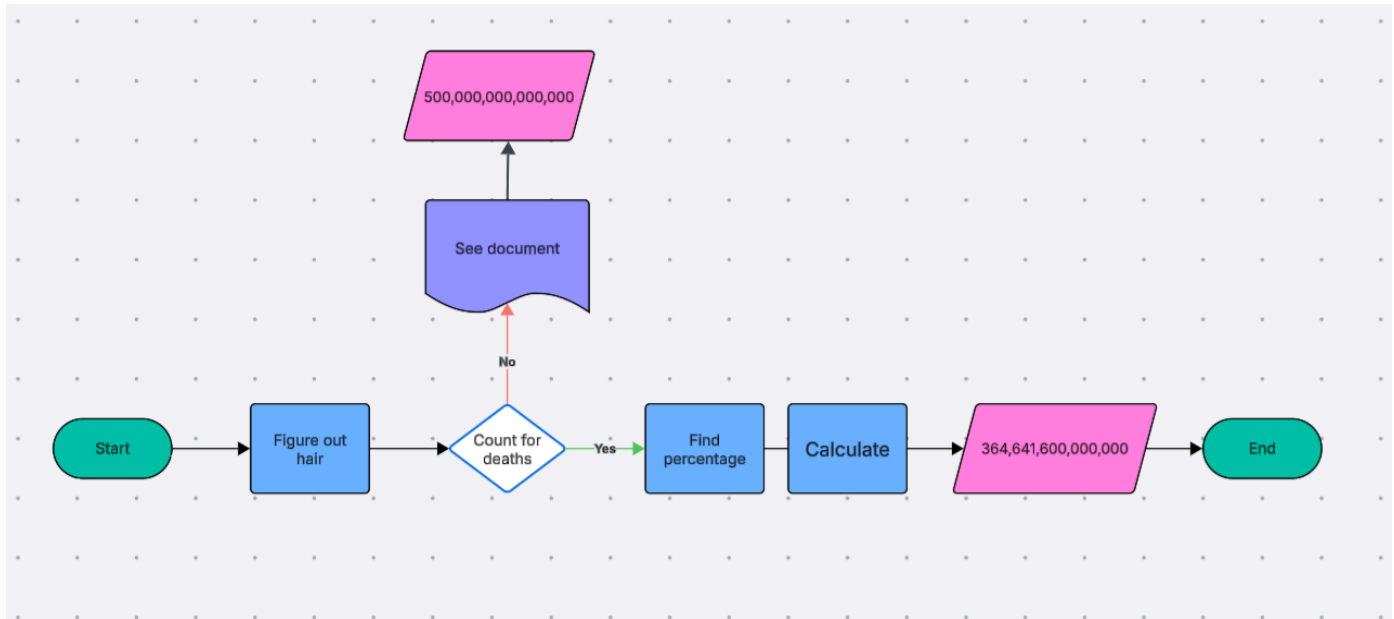
100,000 hair 40% = 1,414,336,000 people hair = 141,433,600,000,000

Alive people hair = 117,132,800,000,000 + Dead people hair = 247,508,800,000,000

The answer is between 1970 and 2025; there have been about 364,641,600,000,000 human hairs.

Or it would be $1.e+22$ or 10,000,000,000,000,000,000,000+(estimate) bodyhair per 8 billion people

Lots of people were born and died between 1970 and 2025, but to add up the average factors there would be 364,641,600,000,000 Trillion hairs from the head. It was really simple really, but that's a lot of hair.



Sources:

<https://www.imamihair.com/anatomy-of-hair/>

<https://www.macrotrends.net/global-metrics/countries/wld/world/death-rate>

<https://ourworldindata.org/grapher/number-of-deaths-per-year>