

# One hundred trillion

*(June 2023)*

To us poor sinners, 100 trillion (100,000,000,000,000) seems quite a large number.

It is the number of kilometers in 10 light-years, which is the distance covered by a ray of light in a vacuum over a decade.

For reference, a ray of light could go seven and a half revolutions around Planet Earth in just one second.

It is also the number of kilometers in 150 million round trips to the moon.

If you wanted to count to 100 trillion at the rate of one increment every second (pretty soon you would have to be quite a fast talker), the task would take more than 3 million years, or 100,000 generations.

Now:

1. Assuming that for some reason I took a fancy to altering my reproductive gender, of course by means other than applying pigments on my face and donning a skirt and high heels, which I doubt would make me a female any more than a Superman costume would infuse any supernatural ability in me,

and considering that:

2. there is a trove of 100 trillion (100,000,000,000,000) so-called X-chromosomes and 100 trillion so-called Y-chromosomes in my body, one in each cell of my organic substance, and
3. the presence of the Y variety makes me a human being of the male persuasion, rather than of the female,

Question: which procedure is more likely to be recommended in order to substitute one of the chromosomes for the other in each one of my 100 trillion cells (100,000,000,000,000) and therefore turn me into a female?