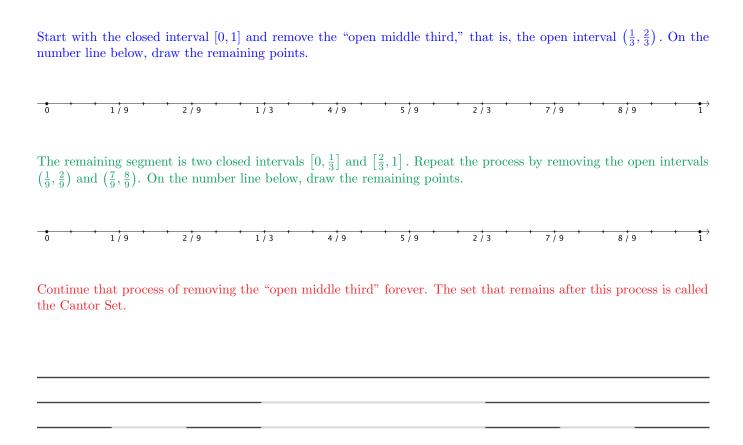
## Cantor's Strange Set

The Cantor Set, named after the German mathematician Georg Cantor, is constructed as follows:



Note: there are infinitely many points in the Cantor Set. What is the total length of the <u>removed</u> intervals?