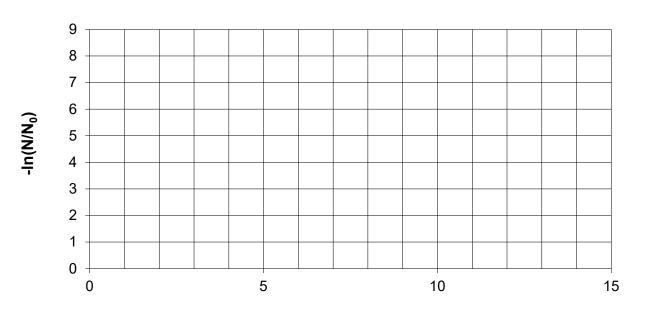## Disinfection Problem

The following is actual data for a virus exposed to an experimental disinfectant. Estimate the contact time required to obtain a reduction of the 1/25,000 of the original number of virus.

Time (seconds)	5	10	15
N/N$_0$	1/16	1/244	1/3,827

$$n\left(\frac{N}{N_0}\right) = -kt$$