A sample of this isotope contains 2.75×10^{15} unstable nuclei. Which of the following expressions can be used to determine the activity in Bq of the sample?

Polonium-218 is a naturally occurring radioactive isotope with a half-life of 185 s.

 \triangle A $\frac{185}{\ln 2} \times 2.75 \times 10^{15}$

 \square **B** $\frac{2.75 \times 10^{15}}{\ln 2 \times 185}$

 \square C $\frac{\ln 2}{185} \times 2.75 \times 10^{15}$

 \square **D** $\frac{\ln 2}{2.75 \times 10^{15}} \times 185$