

30 Two radioactive specimens X and Y have activity and number of radioactive atoms as shown.

	activity / Bq	number of atoms
X	3.68×10^8	4.00×10^{19}
Y	4.60×10^7	2.00×10^{19}

What is the ratio $\frac{\text{half-life of X}}{\text{half-life of Y}}$?

- A 0.0313 B 0.250 C 4.00 D 16.0

