28 The half-life of a radioactive substance is 752 s. The background count is found to be 8.3 s^{-1}. A Geiger Muller (GM) counter reads 77.3 s^{-1} when the GM tube is placed near a radioactive sample.

What will be the reading on the GM counter 280 s later?

A 53.3 s^{-1}
B 59.7 s^{-1}
C 61.6 s^{-1}
D 68.0 s^{-1}