Q2: An unstable heavy nucleus at rest breaks into two nuclei which move away with velocities in the ratio of 8: 27. The ratio of the radii of the nuclei (assumed to be spherical) is

- (a) 3: 2
 - (b) 2: 3
- (c) 4: 9
 - (d) 8· 2

01.00 Conservation of Jinear momentum 03.00 04.00 05.00 06.00