3

Three uniform small spheres A, B and C have equal radii and masses 5m, 5m and 3m respectively.

ohere B now collides with sphere C. Subsequently there are no further collisions between any of theres.	(i)	Show that the speed of A after its collision with B is $\frac{1}{2}u(1-e)$ and find the speed of B.	3
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