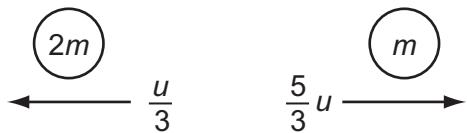


- 11 The diagram shows two spherical masses approaching each other head-on at an equal speed u . One is of mass m and the other of mass $2m$.

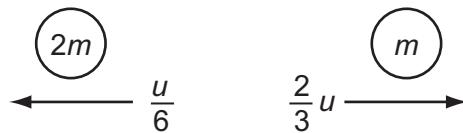


Which diagram, showing the situation after the collision, is **not** consistent with the principle of conservation of momentum?

A



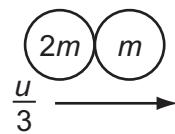
B



C



D



the spheres stick together

Space for working