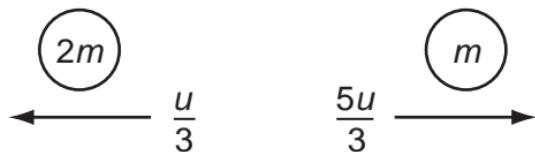


- 9 The diagram shows two spherical masses approaching each other head-on at an equal speed u . One has mass $2m$ and the other has mass m .

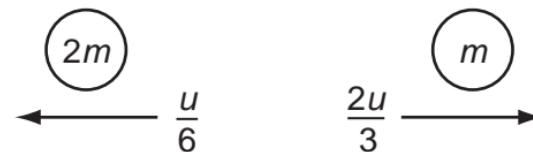


Which diagram, showing the situation after the collision, shows the result of an elastic collision?

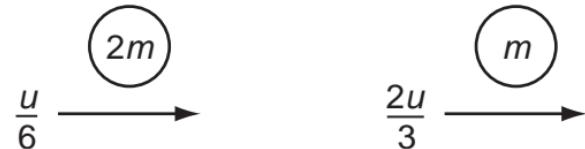
A



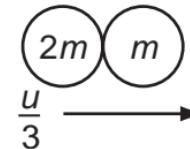
B



C



D



the spheres stick together

- 10 A supermarket trolley, total mass 20 kg , is moving at 2.0 m s^{-1} . A retarding force of 60 N is applied.