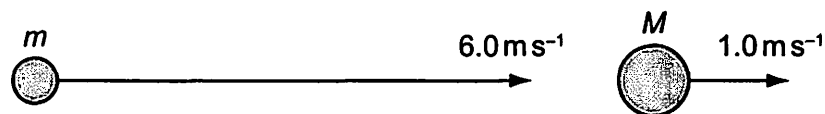


- 9 A ball of smaller mass  $m$  travelling at  $6.0 \text{ ms}^{-1}$  collides elastically with a ball of larger mass  $M$  travelling at  $1.0 \text{ ms}^{-1}$ .



Which diagram represents the velocities of the two balls after the collision?

- A   
 B   
 C   
 D

