

7 Two isolated spheres have masses 2.0 kg and 4.0 kg. The spheres collide and then move apart.

During the collision, the 2.0 kg mass has an average acceleration of 8.0 m s^{-2} .

What is the average acceleration of the 4.0 kg mass?

A 2.0 m s^{-2}

B 4.0 m s^{-2}

C 8.0 m s^{-2}

D 16 m s^{-2}