

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 ms^{-2} .

What is the average acceleration of the 4.0 kg mass?

A 2.0 ms^{-2}

B 4.0 ms^{-2}

C 8.0 ms^{-2}

D 16 ms^{-2}