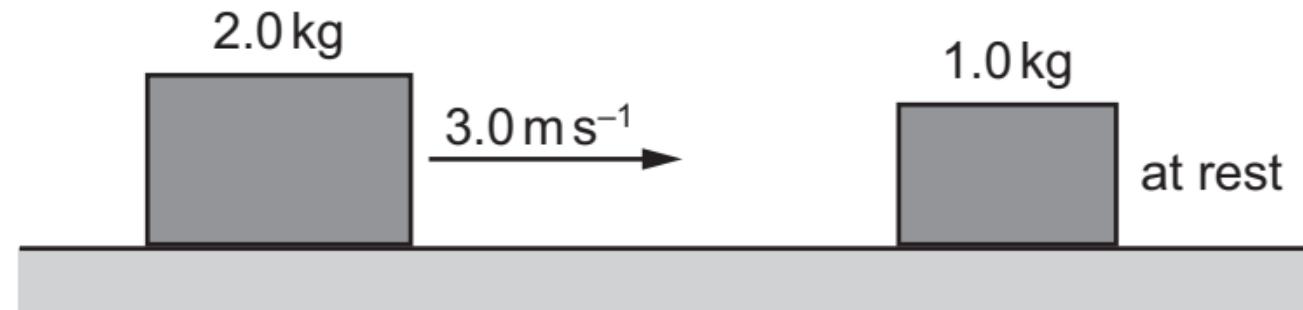


- 10 An object of mass 2.0 kg is travelling at a speed of 3.0 ms^{-1} on a horizontal frictionless surface. This object collides head-on with a stationary object of mass 1.0 kg. The two objects stick together on impact.



How much kinetic energy is lost on impact?

A zero

B 2.0 J

C 2.4 J

D 3.0 J