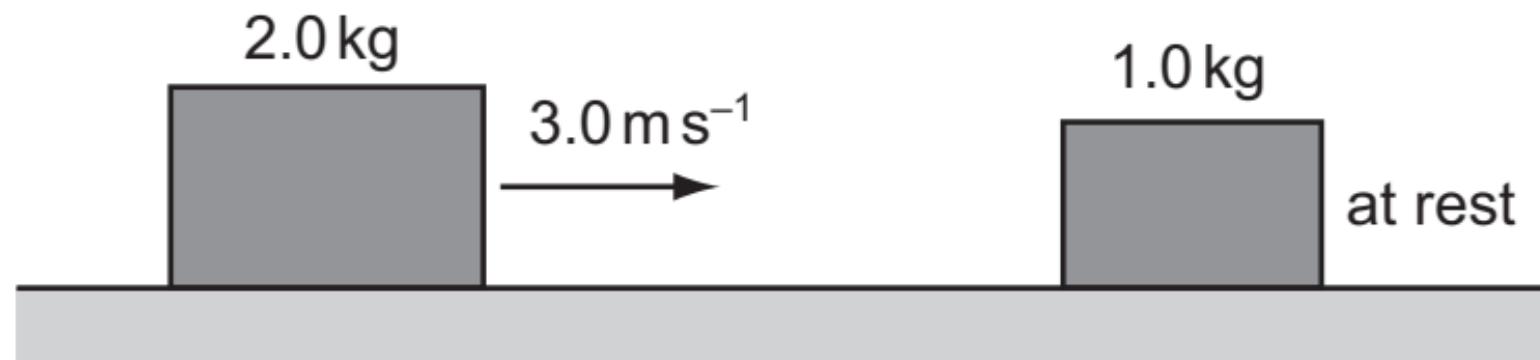


- 11 A 2.0 kg mass travelling at 3.0 ms^{-1} on a frictionless surface collides head-on with a stationary 1.0 kg mass. The masses stick together on impact.



How much kinetic energy is lost on impact?

A zero

B 2.0 J

C 2.4 J

D 3.0 J

- 12 A car of mass 750 kg has a horizontal driving force of 2.0 kN acting on it. It has a forward