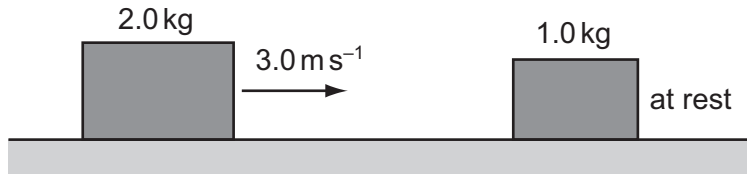


- 11** A 2.0 kg mass travelling at 3.0 m s^{-1} on a frictionless surface collides head-on with a stationary 1.0 kg mass. The masses stick together on impact.



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