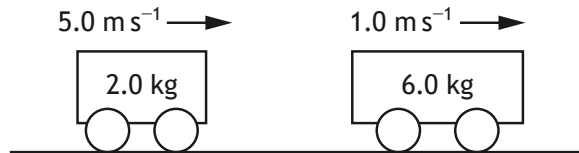


6. Two trolleys move along a level bench as shown.



The trolleys collide and stick together. They continue to move along the bench.

The velocity of the trolleys immediately after the collision is

- A 0.50 m s⁻¹
- B 1.3 m s⁻¹
- C 2.0 m s⁻¹
- D 2.7 m s⁻¹
- E 8.0 m s⁻¹.