

- 10 Two objects move towards each other along the same straight line.



After colliding, the two objects stick together and are stationary.

Which statement **must** be correct?

- A The total kinetic energy of the two objects does not change during the collision.
- B The total momentum of the two objects before the collision is zero.
- C The two objects have equal mass.
- D The two objects have the same speed before the collision.