

- 10** Two objects X and Y form an isolated system. X and Y collide and then separate. The mass of X is greater than the mass of Y.

Which statement about the collision is correct?

- A** The change of momentum of Y is greater than the change of momentum of X.
- B** The force on Y is greater than the force on X.
- C** The forces that X and Y exert on each other act for the same length of time.
- D** The forces that X and Y exert on each other are gravitational forces only.