

- 9** Two objects, moving along a frictionless surface, collide inelastically.

The total kinetic energy and the total momentum of the system before and after the collision are compared.

Which row describes the system after the collision?

| | total kinetic energy | total momentum |
|---|----------------------|----------------|
| A | less | less |
| B | less | same |
| C | same | less |
| D | same | same |

