

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

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

Which row best describes the system after the collision?

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

- 7** A bullet initially at rest is shot into two fragments moving along the same line. The mass of the