

10 A stationary toy gun fires a bullet.

Which statement about the bullet and the gun, immediately after firing, is **not** correct?

- A** The force exerted on the bullet by the gun has the same magnitude as the force exerted on the gun by the bullet.
- B** The force exerted on the bullet by the gun is in the opposite direction to the force exerted on the gun by the bullet.
- C** The gun and the bullet have the same magnitude of momentum.
- D** The kinetic energy of the gun must equal the kinetic energy of the bullet.