

- 4 Two bodies approach each other with speeds u_1 and u_2 and collide head-on.



The collision is elastic. The speeds after collision are v_1 and v_2 .

Which equation **must** be correct?

- A $u_1 - u_2 = v_2 - v_1$
- B $u_1 - u_2 = v_2 + v_1$
- C $u_1 + u_2 = v_2 - v_1$
- D $u_1 + u_2 = v_2 + v_1$

- 5 A uniform sheet of metal of height 8.0 cm and width 4.0 cm has a square hole cut in it