

- 14 Two identical spheres X and Y approach each other with the speeds shown and undergo a head-on elastic collision.



What are the velocities of the spheres after the collision?

	sphere X	sphere Y
A	0 ms ⁻¹	2 ms ⁻¹ →
B	2 ms ⁻¹ →	4 ms ⁻¹ →
C	2 ms ⁻¹ ←	4 ms ⁻¹ →
D	4 ms ⁻¹ ←	2 ms ⁻¹ →