

- 11 A body, initially at rest, explodes into two masses M_1 and M_2 that move apart with speeds v_1 and v_2 respectively.

What is the ratio $\frac{v_1}{v_2}$?

A $\frac{M_1}{M_2}$

B $\frac{M_2}{M_1}$

C $\sqrt{\frac{M_1}{M_2}}$

D $\sqrt{\frac{M_2}{M_1}}$

Space for working