

- 5 An object of mass m is travelling with velocity v .

Which equation gives the momentum p of the object in terms of either m or v and its kinetic energy E_k ?

A $p = \frac{2E_k}{m}$

B $p = 2E_k v$

C $p = \sqrt{\frac{2E_k}{v}}$

D $p = \sqrt{2E_k m}$

