

19 The momentum of a car of mass m increases from p_1 to p_2 .

What is the increase in the kinetic energy of the car?

A $\frac{(p_2^2 - p_1^2)}{2m}$

B $\frac{(p_2 - p_1)^2}{2m}$

C $\frac{p_2 - p_1}{2m}$

D $\frac{p_1 - p_2}{2m}$