

17 A motorist travelling at 10 m s^{-1} can bring his car to rest in a braking distance of 10 m.

In what distance could he bring the car to rest from a speed of 30 m s^{-1} using the same braking force?

A 17 m

B 30 m

C 52 m

D 90 m

18 A stone of weight 4.0 N in the Earth's gravitational field is moved from P to Q and then to R along