

Mathematics Questions by Topics

Motion and Force

Question 29

Source: K12SM2Q20

Question 29

A constant force of 10 newtons acts on a mass of 5 kg initially moving at 1 ms^{-1} . After the mass has moved a distance of 20 metres, the magnitude of the momentum in kgms^{-1} , is equal to

- A. 9
- B. 10
- C. 40
- D. 45
- E. 50