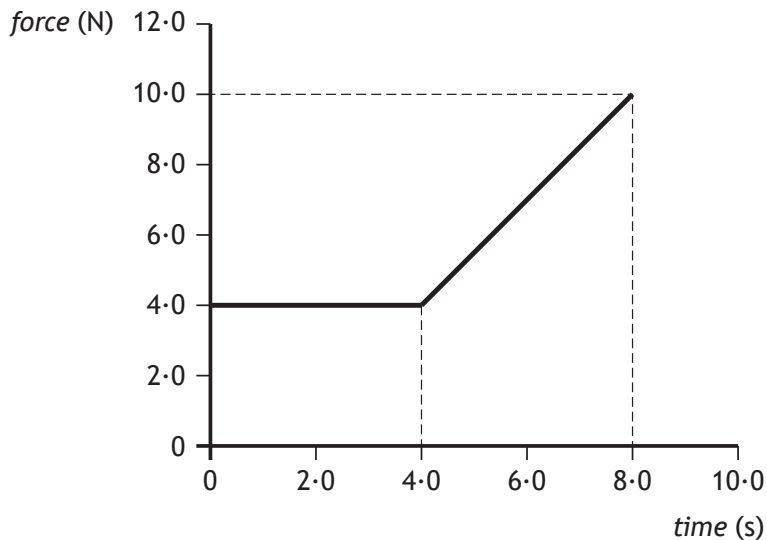


6. The graph shows the force that acts on an object over a time interval of 8.0 seconds.



The momentum gained by the object during the 8.0 seconds is

- A 12 kg m s^{-1}
- B 32 kg m s^{-1}
- C 44 kg m s^{-1}
- D 52 kg m s^{-1}
- E 80 kg m s^{-1} .