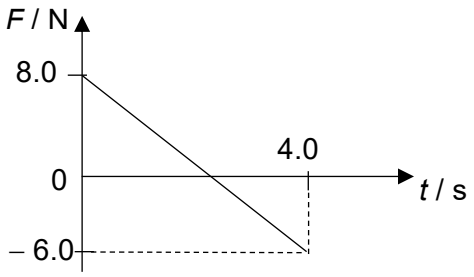
4 A body is acted upon by a resultant force F for a duration of 4.0 s. The graph below shows the variation with time t of F.



Assuming that the body is moving in a straight line, what is the change in momentum of the body?

A 2.0 N s **B** 2.8 N s **C** 4.0 N s **D** 14 N s