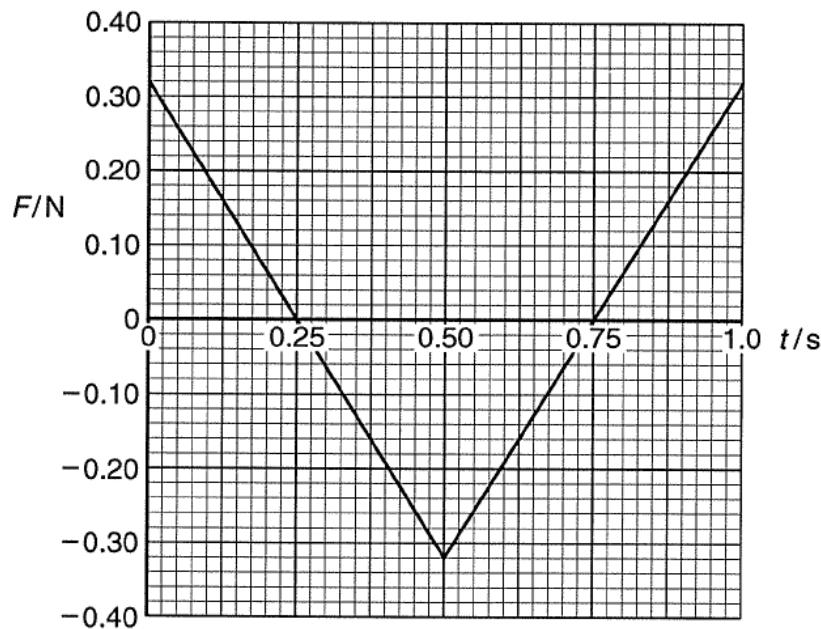


- 4 A resultant force F acts on a mass m . The variation with time t of F is as shown.



Mass m is 150 g. At time $t = 0$, the mass is at rest.

Which of the following statements is **incorrect**?

- A The mass slowed down at a decreasing rate from $t = 0.25$ s to $t = 0.50$ s.
- B The mass is momentarily at rest at $t = 0.50$ s.
- C The mass reversed direction at $t = 0.50$ s and sped up at a decreasing acceleration from $t = 0.50$ s to $t = 0.75$ s.
- D The magnitude of the change in velocity of the mass from $t = 0.25$ s to $t = 0.75$ s is 0.53 m s^{-1} .

