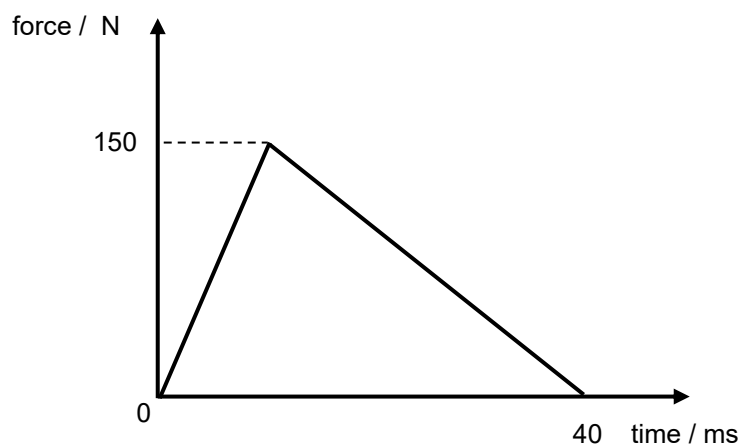


- 5 A tennis ball of mass 0.060 kg is moving normally towards a racket with an initial velocity of 5.0 m s^{-1} and rebounds in the opposite direction.

The force of the racket exerted on the tennis ball varies with time as shown.



What is the final velocity of the ball when it leaves the racket?

- A** 45 m s^{-1} **B** 50 m s^{-1} **C** 55 m s^{-1} **D** 95 m s^{-1}

