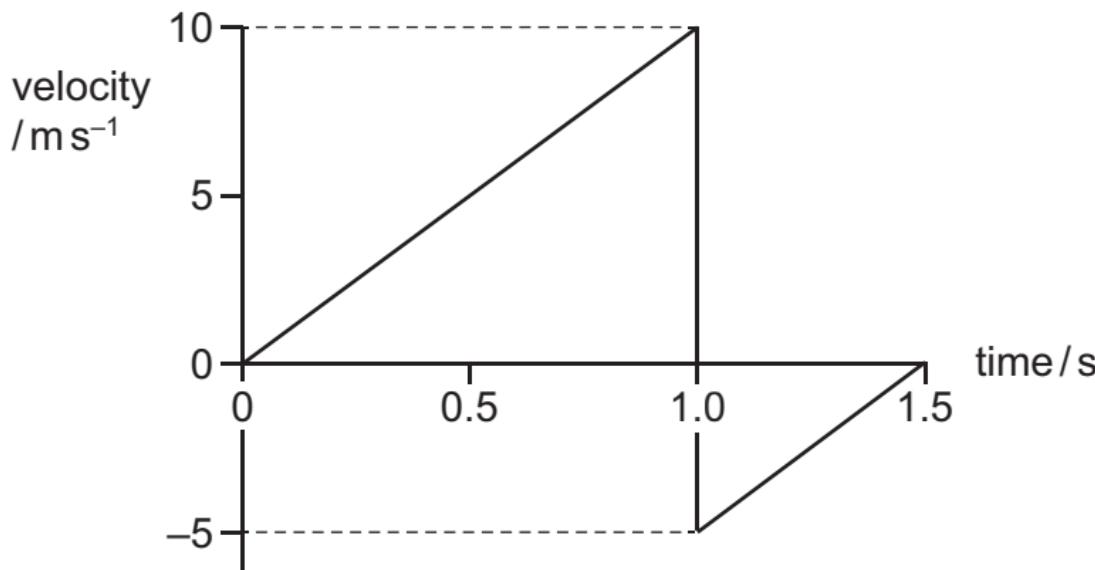


- 6 A ball is released from rest at position X at time zero. At 1.0 s, it bounces inelastically from a horizontal surface and rebounds, reaching the top of its first bounce at 1.5 s.



What is the total displacement of the ball from its original position X at 1.5 s?

- A 1.25 m      B 3.75 m      C 5.00 m      D 6.25 m

- 7 What is the definition of acceleration?