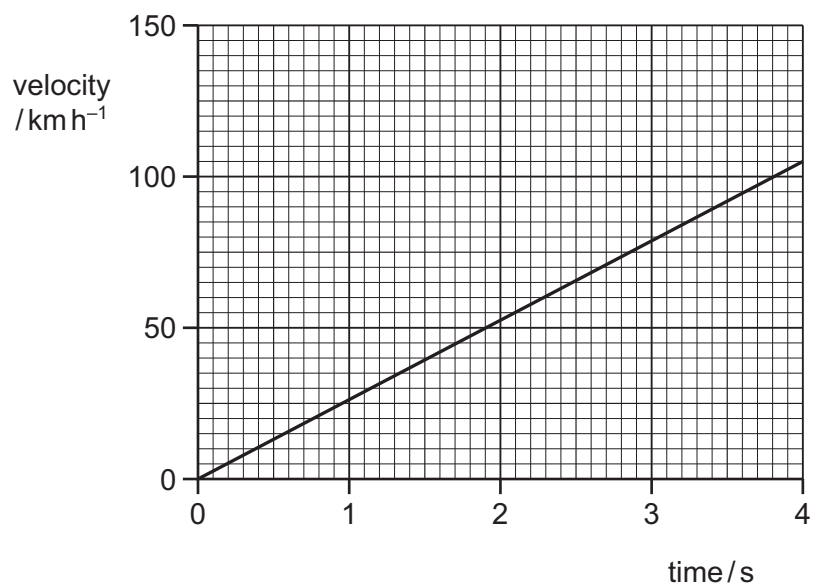
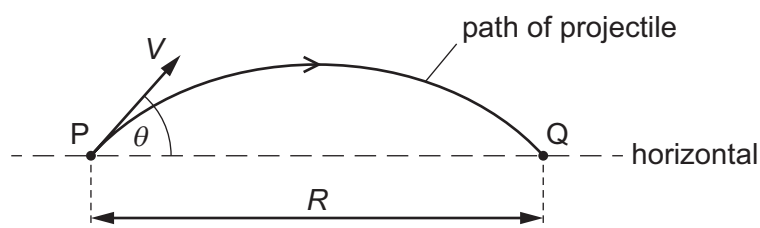


- 6 The velocity of an electric car changes as shown.



What is the acceleration of the car?

- A** 210 ms^{-2} **B** 58 ms^{-2} **C** 26 ms^{-2} **D** 7.3 ms^{-2}
- 7 A projectile is fired from point P with velocity V at an angle θ to the horizontal. It lands at point Q, a horizontal distance R from P, after time T .



The acceleration of free fall is g . Air resistance is negligible.

Which equation is correct?

- A** $R = VT \cos \theta$
B $R = VT \sin \theta$
C $R = VT \cos \theta - \frac{1}{2} g T^2$
D $R = VT \sin \theta - \frac{1}{2} g T^2$