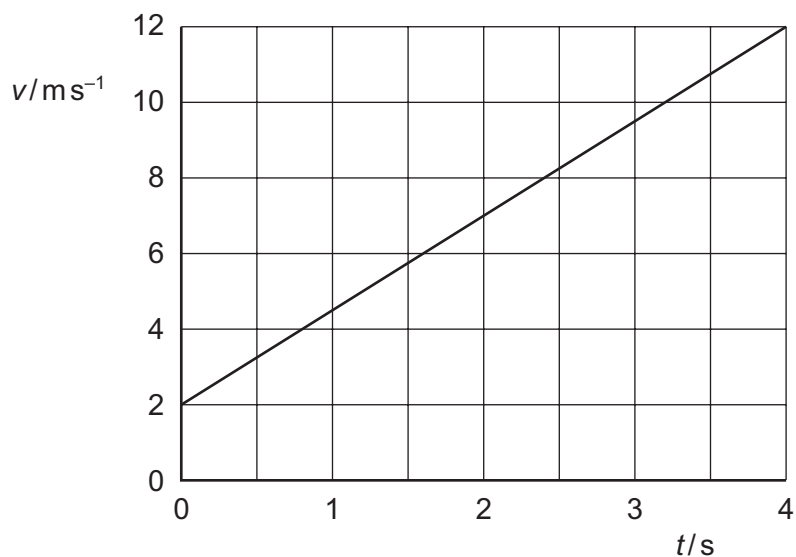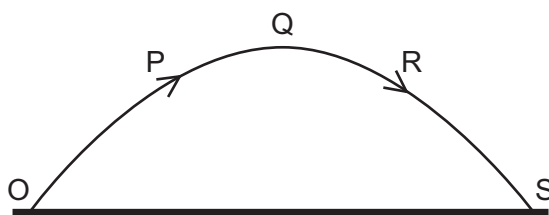**8** The diagram shows a velocity-time graph for a car.

What is the distance travelled between time $t = 0$ and $t = 4\,\text{s}$?

A 2.5 m   **B** 3.0 m   **C** 20 m   **D** 28 m

9 A projectile is launched at point O and follows the path OPQRS, as shown. Air resistance may be neglected.

Which statement is true for the projectile when it is at the highest point Q of its path?

A   The horizontal component of the projectile's acceleration is zero.

B   The horizontal component of the projectile's velocity is zero.

C   The kinetic energy of the projectile is zero.

D   The momentum of the projectile is zero.