

- 4** An aircraft, initially stationary on a runway, takes off with a speed of 85 km h^{-1} in a distance of no more than 1.20 km.

What is the minimum constant acceleration necessary for the aircraft?

- A** 0.23 m s^{-2} **B** 0.46 m s^{-2} **C** 3.0 m s^{-2} **D** 6.0 m s^{-2}