

- 2** A car of mass 850 kg is travelling in a horizontal straight line. The diagram shows the two horizontal forces acting on the car in opposite directions.



One force has magnitude 1200 N, and the other force has magnitude 1600 N.

What is the magnitude of the acceleration of the car?

**A**  $0.47 \text{ ms}^{-2}$

**B**  $1.4 \text{ ms}^{-2}$

**C**  $1.9 \text{ ms}^{-2}$

**D**  $3.3 \text{ ms}^{-2}$