

- 12** A bullet of mass 8.0 g travels at a speed of 300 m s^{-1} . The bullet hits a target and stops after a time of $100 \mu\text{s}$.

What is the average force exerted by the target on the bullet?

- A** 24 N **B** 240 N **C** 2400 N **D** 24 000 N