

- 16** The kinetic energy of a vehicle of mass 1000 kg is  $4.5 \times 10^5$  J. It is braked with a total constant braking force of 6000 N.

What will be its stopping distance?

**A** 37 m

**B** 75 m

**C** 150 m

**D** 300 m

**Space for working**