

- 16** A car of total mass 1560 kg is travelling with a constant speed of 32 m s^{-1} . The driving force provided by the car is 680 N. The kinetic energy of the car is 800 kJ and its momentum is 50 000 N s.

Which two items of data could be used to calculate the useful power output of the car?

- A** driving force and momentum
- B** kinetic energy and mass
- C** mass and momentum
- D** speed and driving force

- 17** A ball is released from a height of 1.5 m above the ground. It is fitted with a light gate which is connected to a data logger.