

3 Which pair of quantities contains both a scalar **and** a vector?

A acceleration and momentum

B charge and resistance

C kinetic energy and mass

D temperature and velocity

4 A ball is thrown vertically upwards from the ground with an initial speed of 10 m s^{-1} . The ball is caught by the thrower at the same height as it was released. The time taken for the ball to return to the thrower is