

- 7 A water pump causes 200 g of water to be ejected from the nozzle of a garden hose each second at a velocity of 3 m s^{-1} .

Which of the following expressions could be used to determine the minimum output power in watts required from the pump?

☐ A $\frac{200 \times 3^2}{2}$

☐ B $\frac{0.2 \times 3^2}{2}$

☐ C $\frac{200 \times 3}{2}$

☐ D $\frac{0.2 \times 3}{2}$

(Total for Question 7 = 1 mark)