1 A cyclist has a speed of $5\,\text{m}\,\text{s}^{-1}$ and a small car has a speed of $12\,\text{m}\,\text{s}^{-1}$.

Which statement does **not** give a reasonable estimate?

A The kinetic energy of the cyclist is $1 \times 10^3\,\text{J}$.

B The kinetic energy of the car is $7 \times 10^4\,\text{J}$.

C The momentum of the cyclist is $4 \times 10^2\,\text{kg}\,\text{m}\,\text{s}^{-1}$.

D The momentum of the car is $2 \times 10^5\,\text{kg}\,\text{m}\,\text{s}^{-1}$.