

12 Three particles have speeds of $2u$, $10u$ and $11u$. Which one of the following statements is correct?

- A** The r.m.s. speed exceeds the mean speed by about $1u$.
- B** The mean speed exceeds the r.m.s. by about $1u$.
- C** The r.m.s. speed exceeds the mean speed by more than $2u$.
- D** The mean speed exceeds the r.m.s. speed by more than $2u$.