

15 Five particles have speeds of $2u$, $5u$, $10u$, $11u$ and $15u$. Which of the following statements is correct?

- A** The root mean square speed is equal to the mean speed.
- B** The root mean square speed exceeds the mean speed by more than $1u$.
- C** The root mean square speed exceeds the mean speed by less than $1u$.
- D** The mean speed exceeds the root mean square speed by more than $1u$.