

- 9** A girl throws a ball vertically upwards. It takes a time of 3.20 s to return to her hand.

Assume air resistance is negligible.

What is the initial speed with which the ball is thrown?

- A**  $3.07 \text{ m s}^{-1}$       **B**  $7.85 \text{ m s}^{-1}$       **C**  $15.7 \text{ m s}^{-1}$       **D**  $31.4 \text{ m s}^{-1}$