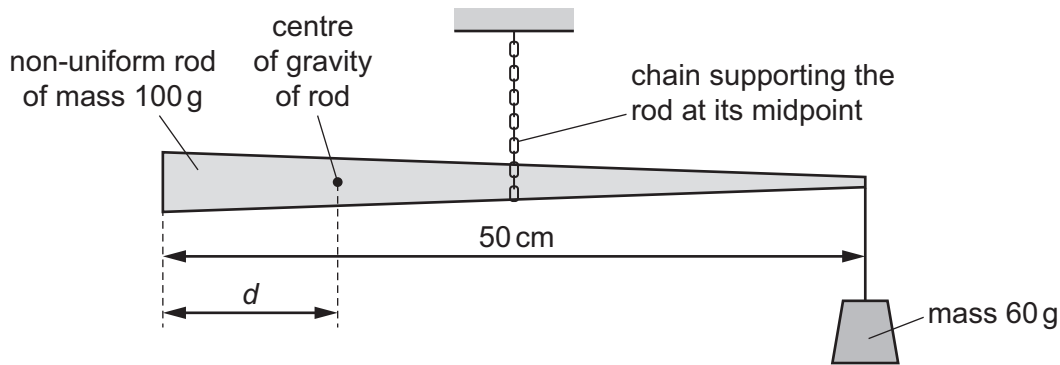**13** A non-uniform rod has a mass of 100 g and a length of 50 cm. It is supported by a chain at its midpoint. The rod is held in equilibrium by having a mass of 60 g suspended from its right-hand end, as shown.

The centre of gravity of the rod is a distance d from its left-hand end.

What is the value of d?

A   10 cm   **B**   15 cm   **C**   25 cm   **D**   40 cm