**29** Two progressive waves of frequency 300 Hz are superimposed to produce a stationary wave in which adjacent nodes are 1.5 m apart.

What is the speed of the progressive waves?

**A** 100 m s$^{-1}$ **B** 200 m s$^{-1}$ **C** 450 m s$^{-1}$ **D** 900 m s$^{-1}$