

**30** Interference fringes are produced on a screen by double-slit interference using light of wavelength 600 nm. The fringe separation is 4.0 mm and the separation of the slits is 0.60 mm.

What is the distance between the double slit and the screen?

**A** 0.25 m

**B** 0.40 m

**C** 2.5 m

**D** 4.0 m

**Space for working**