

**26** A double-slit interference pattern using red light of wavelength  $7.0 \times 10^{-7}$  m has a fringe spacing of 3.5 mm.

Which fringe spacing would be observed for the same arrangement of apparatus but using blue light of wavelength  $4.5 \times 10^{-7}$  m?

**A** 2.3 mm

**B** 3.5 mm

**C** 5.4 mm

**D** 9.0 mm