

- 27** Light of wavelength 600 nm is incident on a pair of slits. Fringes with a spacing of 4.0 mm are formed on a screen.

What will be the fringe spacing when the wavelength of the light is changed to 400 nm and the separation of the slits is doubled?

- A** 1.3 mm
- B** 3.0 mm
- C** 5.3 mm
- D** 12 mm

**Space for working**