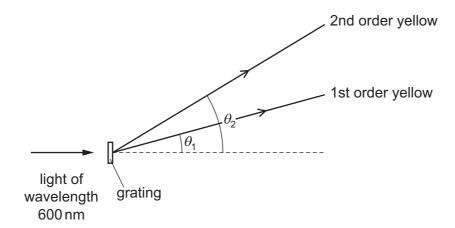
27 A diffraction grating experiment is set up using yellow light of wavelength 600 nm. The grating has a slit separation of $2.00\,\mu m$.



What is the angular separation $(\theta_2 - \theta_1)$ between the first and second order maxima of the yellow light?

- **A** 17.5°
- **B** 19.4°
- **C** 36.9°
- **D** 54.3°

Space for working