

**26** Monochromatic light of wavelength  $5.30 \times 10^{-7}$  m is incident normally on a diffraction grating. The first order maximum is observed at an angle of  $15.4^\circ$  to the direction of the incident light.

What is the angle between the first and second order diffraction maxima?

**A**  $7.7^\circ$

**B**  $15.4^\circ$

**C**  $16.7^\circ$

**D**  $32.1^\circ$