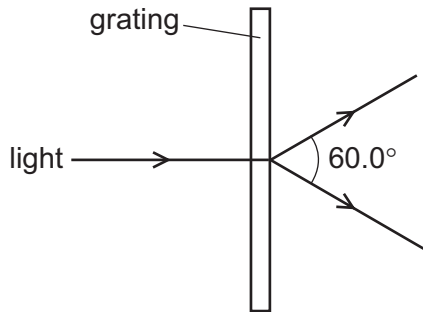


29 A diffraction grating is used to measure the wavelength of light.

The spacing of the slits in the grating is $1.15 \times 10^{-6} \text{ m}$. The angle between the first-order diffraction maxima is 60.0° , as shown.



What is the wavelength of the light?

A 288 nm

B 498 nm

C 575 nm

D 996 nm