29 A beam of light from a laser is incident normally on a diffraction grating.
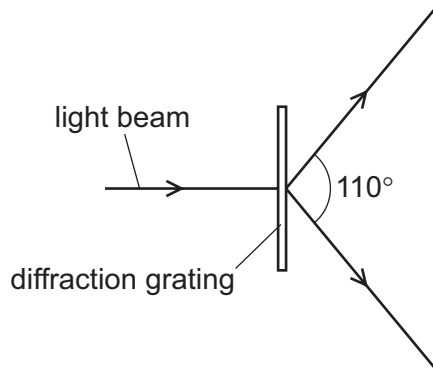

The diagram shows only the **second**-order maxima that are produced.

The grating has a line spacing of 1.0×10^{-6} m. The angle between the two second-order maxima is 110°.

What is the wavelength of the light?

A 4.1×10^{-7} m

B 4.7×10^{-7} m

C 8.2×10^{-7} m

D 9.4×10^{-7} m