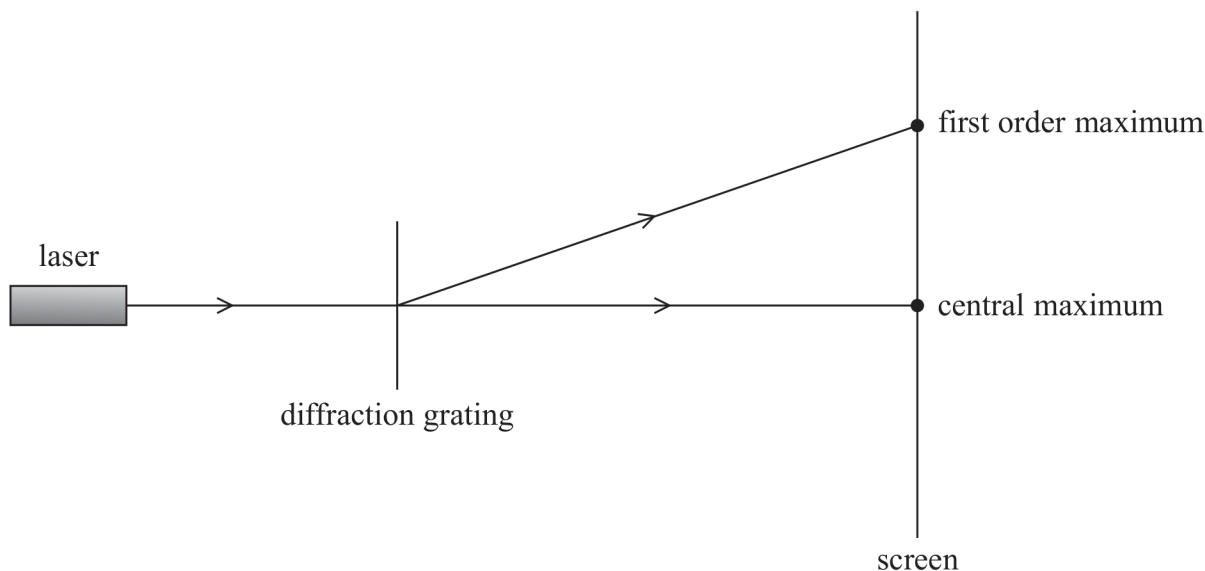


- 8 Light from a laser is incident on a diffraction grating, causing a series of maxima to be seen on a screen.

The positions of the central maximum and first order maximum are shown.



Which of the following changes would decrease the distance between the central maximum and the first order maximum?

- ☒ A Decreasing the distance from the laser to the diffraction grating
- ☒ B Increasing the distance from the diffraction grating to the screen
- ☒ C Using a diffraction grating with more lines per millimetre
- ☒ D Using light with a smaller wavelength

(Total for Question 8 = 1 mark)