

- 4 The equation $n\lambda = d \sin \theta$ can be used to determine the wavelength of laser light that has passed through a diffraction grating.

Which of the following is represented by d in the equation?

- ☐ A distance between adjacent lines on the diffraction grating
- ☐ B distance between the diffraction grating and the screen
- ☐ C number of lines per metre on the diffraction grating
- ☐ D order of the maximum observed on the screen

(Total for Question 4 = 1 mark)