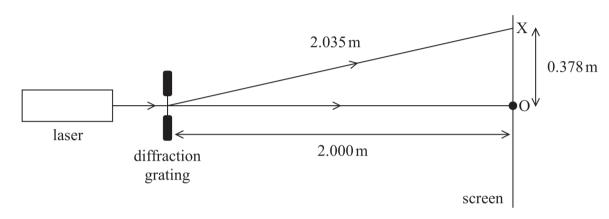
5 A laser, diffraction grating and screen are set up as shown. The position of the central maximum is O and the position of the first order maximum is X.

The diffraction grating has 300 lines per mm.



Which of the following expressions gives the wavelength of the laser light?

$$\triangle$$
 **A** (300 000)  $\times$   $\left(\frac{0.378}{2.000}\right)$ 

$$\square$$
  $C$   $\left(\frac{1}{300000}\right) \times \left(\frac{0.378}{2.000}\right)$ 

(Total for Question 5 = 1 mark)