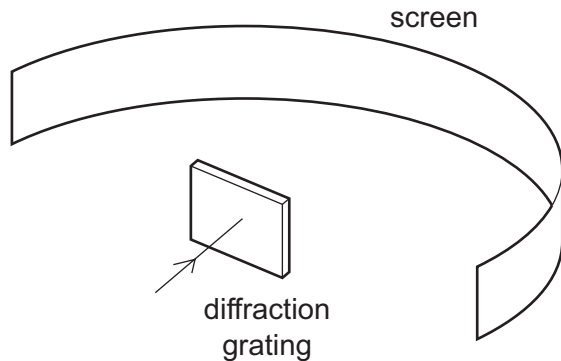


- 30** Monochromatic light of wavelength  $690\text{ nm}$  passes through a diffraction grating with 300 lines per mm, producing a series of maxima (bright spots) on a screen.



What is the greatest number of maxima that can be observed?

- A** 4                      **B** 5                      **C** 8                      **D** 9