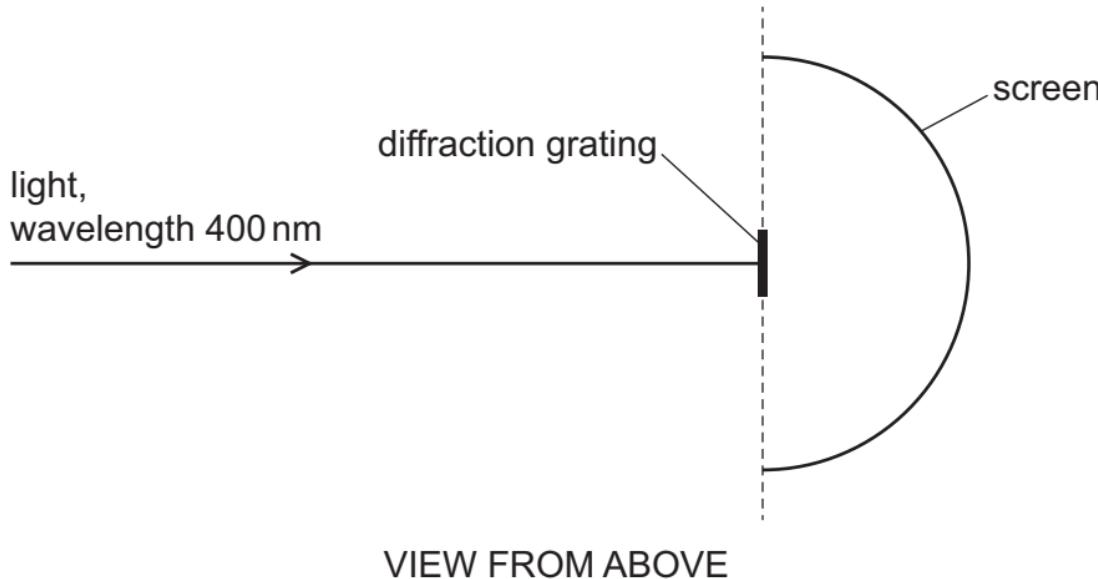


- 31 A beam of light of wavelength 400 nm is incident normally on a diffraction grating that has 300 lines per millimetre. The light passes through the grating and produces a series of maxima which are observed on a semicircular screen, as shown.



What is the total number of maxima observed on the screen?

A 8

B 9

C 16

D 17