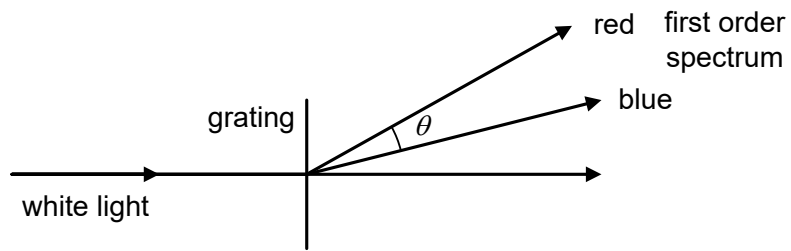


- 15** White light covers the range of wavelength from 400 nm to 700 nm. A diffraction grating with 5.0×10^5 lines per metre is placed perpendicular to a ray of white light and produces the first order spectrum as shown.



What is the angle θ between the red and blue ends of the spectrum?

- A** 9.0° **B** 12° **C** 20° **D** 32°

