

- 19** Monochromatic light of wavelength  $\lambda$  is incident on a diffraction grating of  $x$  lines per millimetre.

Which row will produce the largest number of maxima emerging from the grating?

	$\lambda / \text{nm}$	$x$
<b>A</b>	400	200
<b>B</b>	400	500
<b>C</b>	650	200
<b>D</b>	650	500