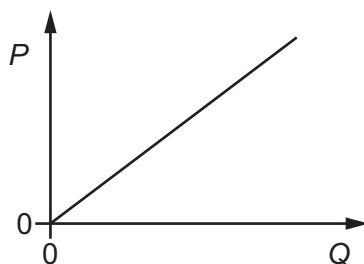


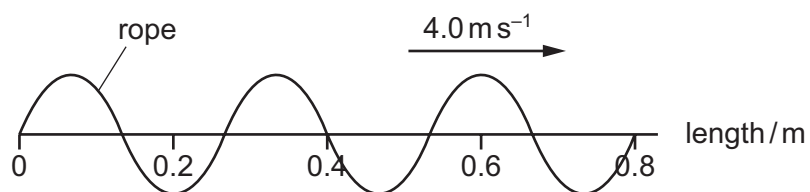
- 21 The graph shows the variation of a quantity P with a quantity Q for a sound wave travelling in air.



What could P and Q be?

	P	Q
A	amplitude	intensity
B	frequency	wavelength
C	speed	frequency
D	wavelength	period

- 22 A vibration generator produces a progressive wave on a rope. The diagram shows the rope at one instant. The wave travels at a speed of 4.0 m s^{-1} .



What are the wavelength and the frequency of the wave?

	wavelength /m	frequency /Hz
A	0.13	15
B	0.13	30
C	0.27	15
D	0.27	30