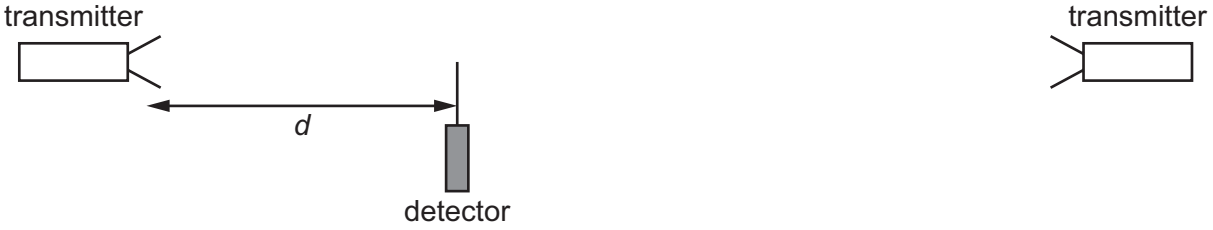
26 In an experiment to demonstrate a stationary wave, two microwave transmitters, emitting waves of wavelength 4 cm, are set facing each other, as shown.



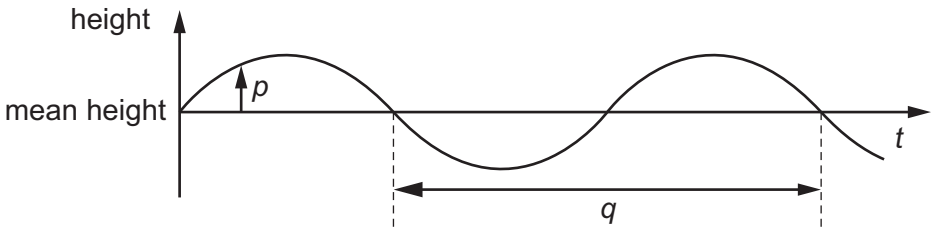
A detector is moved along a straight line between the transmitters. It detects positions of maximum and minimum signal. The detector is a distance *d* from the left-hand transmitter.

Assume that both transmitters are at antinodes of the stationary wave.

Which row gives a value of *d* for a maximum and for a minimum?

	value of *d* for a maximum / cm	value of *d* for a minimum / cm
A	46	48
B	47	48
C	48	47
D	49	47

27 The graph shows how the height of the water surface at a point in a harbour varies with time *t* as waves pass the point.



What are *p* and *q*?

	p	*q*
A	displacement	period
B	displacement	wavelength
C	amplitude	period
D	amplitude	wavelength