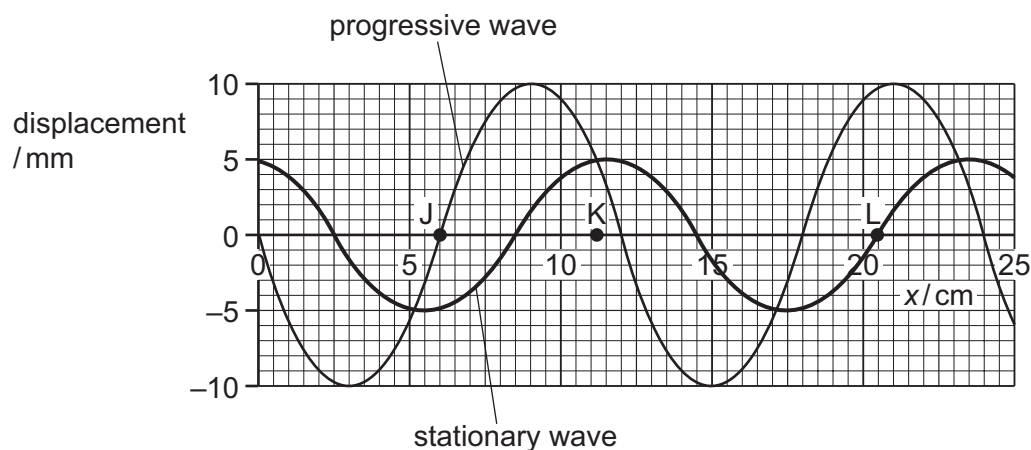


- 27 Two progressive waves travel in opposite directions and form a stationary wave. The graph shows the variation with distance  $x$  of the displacement of the stationary wave and of one of the two progressive waves at the same instant in time.



What are the approximate displacements of the **other** progressive wave at the positions J, K and L?

	displacement / mm		
	J	K	L
<b>A</b>	-5	0	-10
<b>B</b>	-5	+5	0
<b>C</b>	0	+5	+10
<b>D</b>	+5	-5	0

- 28 Which diagram shows the diffraction of water waves in a ripple tank?

