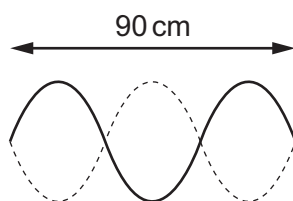


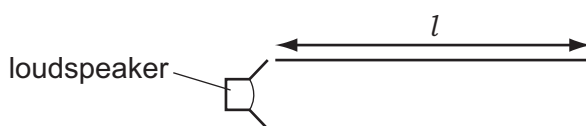
- 28 The diagram shows a stationary wave on a string at two instants of maximum vertical displacement.



The frequency of the wave is 12 Hz.

What is the speed of the wave?

- A 3.6 ms^{-1} B 7.2 ms^{-1} C 360 ms^{-1} D 720 ms^{-1}
- 29 A loudspeaker emitting sound of frequency f is placed at the open end of a pipe of length l which is closed at the other end. A standing wave is set up in the pipe.



A series of pipes are then set up with either one or two loudspeakers of frequency f . The pairs of loudspeakers vibrate in phase with each other.

Which pipe contains a standing wave?

