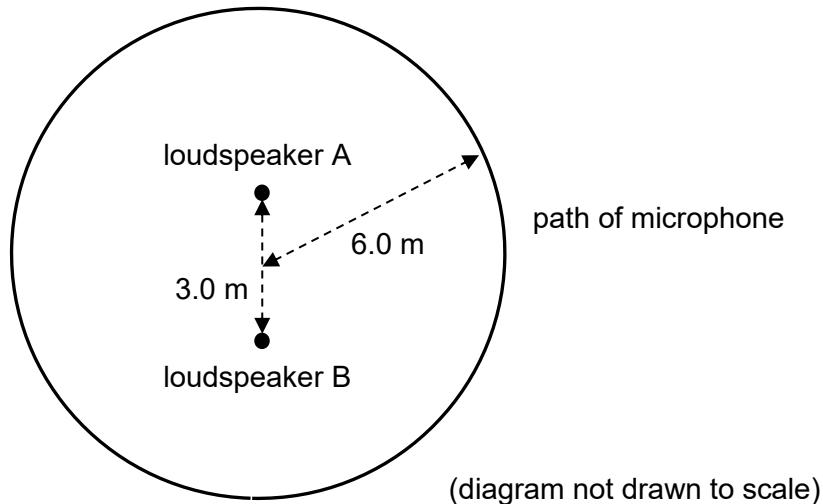


- 17 Two small and identical loudspeakers are placed 3.0 m apart. The loudspeakers are in phase and emit sound of wavelength 1.0 m uniformly in all directions.



A microphone is moved in a circular path for one complete round of radius 6.0 m.

How many maxima will be detected?

- A** 8
- B** 10
- C** 12
- D** 14

- 18 Stationary water waves are set up in a water tank. The diagram shows the wave profile of