

- 18** A vertical tube is completely filled with water. A small sound source of constant frequency is held a little above the open upper end and water is run out from the lower end.

A number of resonance positions are detected. The second position was detected when the water surface is 12 cm below the top of the tube and another occurs at 36 cm.

At which of the following distances should resonance also be detected?

- A** 24 cm      **B** 26 cm      **C** 44 cm      **D** 48 cm