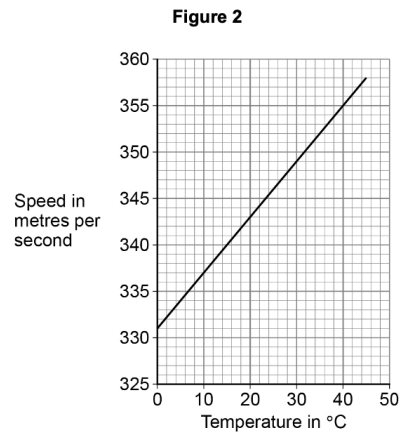


Q1. (2022)

Sound waves are longitudinal.

Figure 2 shows how the speed of sound varies with the temperature of the air.



0 1 . 4 A sound wave with a frequency of 300 Hz travels through the air.

The air has a temperature of 28.0 °C

Determine the wavelength of the sound wave.

Use **Figure 2**.

[4 marks]