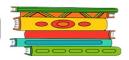
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Wave, Speed, Frequency, & Wavelength Practice Problems

$$v = f\lambda$$
 $c = 300,000,000 m/s$
 $c = f\lambda$ $(c = 3x10 m/s)$



- 1. A low-frequency radio wave has a frequency of 250,000Hz. What is the wavelength of this radio wave? (Hint: Don't forget that this is an electromagnetic wave, and therefore you should automatically know its speed)
- A certain microwave has a wavelength of 0.032 meters. Calculate the frequency of this microwave.
- 3. Sound waves in air travel at approximately 330m/s. Calculate the frequency of a 2.5 meter long sound wave.
- 4. A wave on a certain guitar string travels at a speed of 200m/s. Calculate the wavelength of an "A" note sounding at 440Hz.