**Waves and SHM: Wave Properties**

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**Make sure to INCLUDE UNITS!**

1. A musical note has a frequency of 512 Hz. If the wavelength of the note is 0.685 m:
   1. What is the period of vibration for the note?
   2. What is the speed of the sound of that note?
2. A mass suspended vertically from a spring oscillates with a frequency of 2.3Hz. The amplitude of oscillations is 10.2cm. What is total distance traveled, in m’s, by the mass in 5.0s?

**Answers**:

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