



UNIT: UKULELE

ACT-BASED MATH: CALCULATING UKULELE STRING FREQUENCY ANSWER KEY

ACT-STYLE QUESTION:

- A ukulele string is **0.65 m long**, and the speed of sound in the string is **400 m/s**. What is the frequency of the fundamental harmonic?
 - A. 307.7 Hz
 - B. 615.4 Hz
 - C. 1230.8 Hz
 - D. 2461.6 Hz

(Correct Answer: B ($f = 400 / (2 \times 0.65)$))