

Music Theory History and Acoustics

Music Theory · Answer Key · 8 Questions

1. Which 11th-century Italian music theorist is credited with inventing staff notation and hexachordal solmization?

- A) Franco of Cologne
- B) Guido d'Arezzo**
- C) Boethius
- D) Johannes de Garlandia

2. In standard 12-tone equal temperament, what is the exact frequency ratio between two notes separated by a single semitone?

- A) $3/2$
- B) $4/3$
- C) The 12th root of 2**
- D) The 6th root of 2

3. In what year did the International Organization for Standardization (ISO) officially adopt A = 440 Hz as the standard pitch tuning?

- A) 1939
- B) 1955**
- C) 1972
- D) 1925

4. In the system of logarithmic pitch measurement introduced by Alexander Ellis in 1884, how many cents make up one octave?

- A) 1200**
- B) 100
- C) 600
- D) 1000

5. Which French composer published the foundational music theory treatise 'Traité de l'harmonie' in 1722?

- A) Marc-Antoine Charpentier
- B) François Couperin
- C) Jean-Baptiste Lully
- D) Jean-Philippe Rameau**

6. How many thirty-second notes equal the duration of a single dotted quarter note in standard rhythmic notation?

- A) 8
- B) 12**
- C) 16
- D) 24

7. Which church mode is built on the sixth degree of a major scale, also functioning as the natural minor scale?

- A) Dorian
- B) Phrygian
- C) Aeolian**
- D) Lydian

8. In approximately which year did Arnold Schoenberg formulate the twelve-tone technique (dodecaphony)?

- A) 1908
- B) 1921**
- C) 1933
- D) 1945