

Name _____

Harmony's Mathematical Magic

Open-Ended Response Answer Key

1. Possible answers: Students may suggest that mathematical algorithms could be used to create music with specific rhythms, melodies, and harmonies that evoke particular emotions. By analyzing patterns in music and human emotional responses, algorithms could be used to enhance the emotional impact of compositions.
2. Possible answers: Harmony's Mathematicians demonstrated qualities such as compassion, empathy, creativity, and a commitment to using their talents for the benefit of others.
3. Possible answers: The band's visit to Maya showed how music could lift her spirits, bring happiness, and temporarily alleviate her pain and sadness. It demonstrated that music has the ability to create positive emotional experiences.
4. Possible answers: Students may suggest using their musical talents to bring joy to people in need, raise awareness about important issues, or create music that inspires positive change in society.

