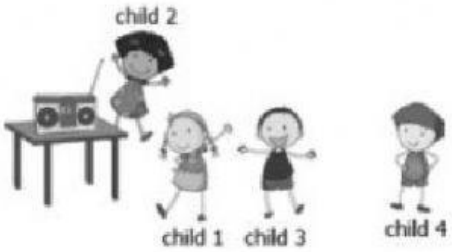
4.P.4B.1 Pitch and Volume Indicator Assessment

Name: _____

1. The image shows four children around a radio that is playing a song.



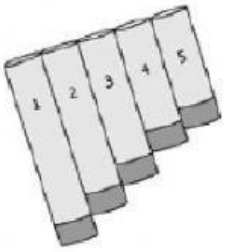
Who would hear the song at the lowest volume?

A. child 1
B. child 2
C. child 3
D. child 4

2. Why might the bottom string on a guitar have a higher pitch than the top string?

A. The bottom string is thicker.
B. The bottom string is thinner.
C. The strings have the same thickness.
D. The bottom string does not vibrate.

3. The diagram shows the musical instrument panpipes.



Each pipe of the panpipes produces a different pitch of sound when air is blown into it. What is the correct order for the pitch of sound produced by each pipe starting with the lowest pitch?

A. 1, 2, 3, 4, 5
B. 2, 4, 1, 3, 5
C. 4, 5, 1, 2, 3
D. 5, 4, 3, 2, 1

4. Which sound would most likely have the highest pitch?

A. a lion's roar
B. a dog's growl
C. a man yelling
D. a bird singing

LIVEWORKSHEETS

5. Wesley said the opera singer was singing very softly. What part of sound best fits what Wesley was describing?

A. force
B. pitch
C. vibration
D. volume

6. A student plans to conduct an experiment to study the effect of tension on the pitch of sound produced by an object. Which material can help the student perform the experiment?

A. plastic straw
B. rubber band
C. tuning fork
D. wooden ruler

7. Which would affect pitch?

A. changing the time of a vibrating string
B. changing the length of a vibrating string
C. changing the temperature of a vibrating string
D. changing the volume of a vibrating string

8. Ryan makes a wind instrument from a drinking straw, as shown.

If he cuts the straw in half, what will happen to the pitch of the sound?

A. it gets higher
B. it gets lower
C. remains the same
D. no sound is produced

9. Rachel is playing her drums when her mother asks her to lower the volume.
What should Rachel do to please her mother?

A. Hit the drums slower but with the same force.
B. Hit the drums faster but with the same force.
C. Hit the drums with more force.
D. Hit the drums with less force.

LIVEWORKSHEETS