

8.SP.4 Music and Sports

Task

Is there an association between whether a student plays a sport and whether he or she plays a musical instrument? To investigate these questions, each student in your class should answer the following two questions:

- a. Do you play a sport? (yes or no)
- b. Do you play a musical instrument? (yes or no)

Record the answers in the table below.

Student	Sport?	Musical Instrument?
1		
2		
3		
4		
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- Summarize the data into a clearly labeled table.
- Of those students who play a sport, what proportion play a musical instrument?
- Of those students who do not play a sport, what proportion play a musical instrument?
- Based on the class data, do you think there is an association between playing a sport and playing an instrument?

e. Create a graph that would help visualize the association, if any, between playing a sport and playing a musical instrument.



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