

Intro to Proof LS, 25–26

Focal student questions

Questions:

- What kinds of foods do you like? Do you prefer salty, spicy, sweet?
- Can you share a few foods you like — first something salty, then something spicy, and finally something sweet?
- Can you remember any math classes where your personal experiences were used to explore a math concept?
- Can you remember any math classes where you moved around or otherwise used your body to help you explore a math concept?
- How do you feel when you are stuck on a math concept or problem?
 - How do you deal with that feeling? How do you move forward in the work?
- How do you feel when you solve a hard math problem?
- What are some ways that people are connected?
- Given ~10 fractions on post-its. How might you group these?
 - Should have 3–4 obvious ways to group: denominators, numerators, usual equivalent fraction, ?sum of numerator and denominator?
 - Sayonita :
<https://docs.google.com/document/d/1rXVoqqziDw0agJOgePGIQogdl7t357eY/edit>
- Given items arranged in groups, can you find a rule that might determine these groups
 - William
- What are some meanings of “the same”? Suppose somebody sees your bike and tells you that they “have the same bike”? What might they mean?
 - In math, what are some meanings of “the same”?
 - For example, in geometry (polygons), or algebra (expressions or equations)